College of Fine Arts, Humanities & Social Sciences

The College of Fine Arts, Humanities and Social Sciences, led by Dr. Luis Falcon, offers five programs of graduate study in Master of Arts and Master of Music. These degree programs are part of the University’s commitment to develop regional and national economies by providing state-of-the-art educational programs beyond the bachelor’s degree. A wide range of ongoing research and project opportunities exist within the various degree programs, and interdisciplinary study is emphasized. Graduates of these programs are heavily recruited both regionally and nationally by industry and governmental agencies.

Faculty in College of Fine Arts, Humanities and Social Sciences (pdf)

Graduate Programs Offered

Doctor of Philosophy (Ph.D.)

- Criminal Justice
- Global Studies

Master of Arts (MA) - degree awarded in the following fields:

- Community Social Psychology
- Criminal Justice
- Economic & Social Development of Regions
- Security Studies
- Peace and Conflict Studies

Master of Science (MS)

- Autism Studies
- Security Studies

Master of Music (MM) - degree awarded in the following fields:

- Music Education
- Sound Recording Technology

Current undergraduate students may be qualified for bachelor/master degree programs.

41.514 Engineering Law

Course ID: 5006

Course Details:
Max Credits: 3
Min Credits: 3

42.506 Writing in the Community

Course ID: 5187

Course Details: Students learn advanced writing techniques in the classroom and apply them to real writing tasks in the community. Assignments include a writing project designed to meet the needs of a local organization, along with research and reflective pieces.
Max Credits: 3
Min Credits: 3

42.520 Experiencing Poetry: Sound and Sense

Course ID: 37779

Course Details: The class offers seminar-style discussions on specific aspects of poetry, considering a range of excellent poems from
various eras. Through hands-on writing exercises, we will examine the art from the vantage point of the practitioner, using imitation and exploration of technique as a kind of close reading. Assignments include analytical essays as well as creative work.

Max Credits: 3
Min Credits: 3

42.540 Modernist Literature

Course ID: 37780

Course Details: Much of the influential literature produced during the modernist period, roughly 1900-1950, was considered radical in its time. This course will focus on the experimental, avant-garde impulse that manifests itself in the themes and techniques of key modernist texts, relating that impulse to questions about the nature of identity, the role of gender and class in constituting the modernist subject, and the sociocultural functions of literature itself. Readings will include primary texts such as Virginia Woolf's *Mrs. Dalloway*, Zora Neale Hurston's *Their Eyes were Watching God*, T.S. Eliot's poetry, and James Joyce's *Portrait of the Artist as a Young Man*, as well as theoretical texts. We will explore this period by examining these exemplary texts, historical and social events, and films.

Max Credits: 3
Min Credits: 3

43.510 Modern Revolutions in a Global Context

Course ID: 37585

Course Details: Starting from a consideration of Crane Brinton's *Anatomy of Revolution*, we will conduct a comparative historical study of the causes, courses, and outcomes of revolutions since 1917. Do the patterns outlined by Brinton apply to revolutions in Russia, China, Algeria, Vietnam, Nicaragua, Iran, Hungary (1956), and the demise of Communism in Eastern Europe? What are the policy implications for peaceful social change or national security? Students will write a paper applying the lessons of the course to a revolution of their choice.

Max Credits: 3
Min Credits: 3

43.511 History of College, 1100-1900

Course ID: 37584

Course Details: The foundation of universities in late medieval Europe also ushered in the earliest colleges, intended primarily to house students but also to provide tutoring, social support, and financial assistance. The earliest colleges arose in Paris but soon spread to Bologna, Oxford, and other university towns. This course traces the history of colleges from late medieval Europe to nineteenth-century America. It considers the various models of colleges that developed in northern and southern Europe, and how those models were transferred across the Atlantic. Some colleges remained primarily residences, while others expanded to offer a full graduate and undergraduate curriculum. We will also consider topics like student life, financial arrangements, admissions, alumni, and academic requirements.

Max Credits: 3
Min Credits: 3

43.552 Enterprise in Latin America

Course ID: 37169

Course Details: This M.A.-level course introduces students to the history of enterprise in Latin America through four case studies and a research project. No prior knowledge of Latin American history is required or expected. Each of the case studies, including the students' own research projects on an enterprise in Latin America, will consider the wide range of factors that impact a business. These include infrastructure, government regulations and policy, labor, markets, and environmental concerns, among others. The case studies and readings may change from semester to semester, but will be representative of different time periods and regions within Latin America. Throughout the semester, the class will also consider the historical legacies of each enterprise and how it continues to affect the region's economic and political development today.

Max Credits: 3
Min Credits: 3

43.559 Reconstructing America: Upheaval, Immigration, and Reform

Course ID: 36838
Course Details: The second year of the Teaching American History Project, involving UMass Lowell and eight school districts in the Greater Boston Area, will include a week-long Summer Institute, title "reconstructing America: Upheaval, Immigration, and Reform". The institute’s seminars, readings, and field trip will focus on several topics tied to immigration, internal migration, social and economic struggle, and reform. This encompasses a history of the major immigrant groups in late 19th and early 20th century America; settlement, acculturation and resistance; Jim Crow and the Great Migration in the early 20th century; and post World War II immigration and refugee settlement. The Summer Institute will offer a blend of U.S. history and local history, namely Lowell and Lawrence, Massachusetts, with readings tied to recent scholarship in African-American, Latino, and Euro-American immigrant history.

Max Credits: 3  
Min Credits: 3

43.590 Topics in History

Course ID: 35708

Course Details: An advanced course of study and examination of a variety of issues and topics in history. Students without a sufficient background in history courses should not attempt this course. Subject matter to be announced in advance.

Max Credits: 3  
Min Credits: 3

43.591 Directed Study

Course ID: 5339

Course Details: Directed study offers the student the opportunity to engage in an independent study or research project under the supervision of a department member. Working closely with the instructor, students define and investigate a research topic in an area of special interest and present the results of their investigation in a significant paper. Juniors and seniors only.

Max Credits: 4  
Min Credits: 1

44.503 Administration of Criminal Justice

Course ID: 5428

Course Details: An examination of the components of the criminal justice system and a review of the administration of federal, state and local criminal justice agencies, including a focus on criminal law and procedure.

Max Credits: 3  
Min Credits: 3

44.513 Crisis and Emergency Management

Course ID: 34637

Course Details: This course will provide a broad introduction to the critical challenges of disaster management. The course will address past and present strategies for reducing and responding to hazards posed by both manmade and natural disasters. Emphasis will be placed on what we can learn from the history of disasters, and on how we can apply those lessons to the management of future events.

Max Credits: 3  
Min Credits: 3

44.521 Criminological Theory: Foundations

Course ID: 5431

Course Details: This course provides a detailed examination of the best known and most influential theories of crime causation. Topics include: theory construction, hypothesis testing, theory integration, and the links among theory, research, and policy.

Max Credits: 3  
Min Credits: 3

44.522 Victimology
Course ID: 5432

Course Details: This course examines the study of crime victims and of the patterns, impact, and formal responses to criminal victimization. Particular attention is given to research issues such as measurement of victimization, fear of crime and related measures, and conducting research with victimized populations, as well as discussion of current issues in the field of Victimology. Substantive topics may include theories of victimization, the overlap between victims and offenders, social-psychological and other impacts of victimization on primary and secondary victims, media coverage of victimization, and evaluation of prevention and intervention programs for victims (criminal justice system based programs and others).

Max Credits: 3
Min Credits: 3

44.526 Domestic Terrorism and Hate Crimes

Course ID: 5434

Course Details: This course examines bigotry and hate and how they are manifested in criminal behavior. Various groups who have been labeled as supporting or engaging in domestic terrorism are studied. Focus is placed on federal and state statutory laws and the dynamics of police, court, and corrections based responses to hate crimes and domestic terrorism.

Max Credits: 3
Min Credits: 3

44.541 Issues in Policing

Course ID: 5439

Course Details: An introduction to research on the police, both basic research and applied, evaluative research. Since police discretion was ?discovered? in the 1950s, basic research has focused on factors that explain the discretionary use (and abuse) of police authority, and particularly on factors that would signify bias in police decision-making, and also on the mechanisms by which police may be held accountable to the public. Evaluative research, beginning with the Kansas City Preventive Patrol Experiment in the 1970s, has been concerned with estimating the effects of programmatic and tactical innovations on social conditions?such as crime, fear of crime, satisfaction with police services and quality of life.

Max Credits: 3
Min Credits: 3

44.542 Criminal Profiling

Course ID: 5440

Course Details: An overview of the development and characteristics of violent offenders, some of whom will evolve to become criminal psychopaths. The class provides an analytical understanding of the unique characteristics of serial criminals and the methodologies used to commit their crimes.

Max Credits: 3
Min Credits: 3

44.543 Forensic Psychology

Course ID: 5441

Course Details: This course applies psychological theories, principles, and research to issues of concern to the criminal justice system with a special focus on the intersection of the mental health and criminal justice systems.

Max Credits: 3
Min Credits: 3

44.545 Criminal Mind and Behavior

Course ID: 5443

Course Details: This course is designed to address a broad range of topics relevant to criminal behavior and the development of the so-called criminal personality. Factors that are considered to influence the evolution of criminal mentality are examined and the laws and the past and current response of the criminal justice system to repeat offenders are explored.
**44.546 Mental Health & Criminal Justice**

Course ID: 33236

Course Details: The course focuses on how and why individuals with serious mental illness become involved in the criminal justice system, and on how the criminal justice and public mental health systems respond to that involvement. Topics include law enforcement responses, court-based strategies, mental health and corrections, community supervision of individuals with mental illness, violence and mental disorder, and unique challenges associated with female and juvenile populations.

Max Credits: 3
Min Credits: 3

**44.549 Terrorism/Counter-Terrorism**

Course ID: 5444

Course Details: In order to combat "terrorism" one must be aware of what it is and is not and this course will explore "terrorism" in its totality as it occurred in the past, is occurring in the present, and how it might occur in the future. Various dominant International Terrorist groups are examined relative to their ideology, organizational behavior, and method(s) of operation. There is a heavy emphasis on the impact terrorism has and will have on the criminal justice system relative to investigation.

Max Credits: 3
Min Credits: 3

**44.554 Threat Assessment and Risk Management**

Course ID: 32166

Course Details: The goal of this course is to enhance understanding and increase expertise regarding risk management and the impact of terrorism on economic and other critical infrastructures in the United States. The course will provide the tools (operational and statistical) and technology required to mitigate these risks. A second purpose of the course is to examine and critically discuss current and future methods to create best practices in security management.

Max Credits: 3
Min Credits: 3

**44.560 Gender, Race & Crime**

Course ID: 5448

Course Details: The implications of criminal laws, criminal justice practices and programs. Focus on inequalities based on gender, race and class.

Max Credits: 3
Min Credits: 3

**44.567 Overview of Homeland Security**

Course ID: 32167

Course Details: The U.S. has embraced the homeland security monolith without a full understanding of what it encompasses. This course provides a comprehensive overview of homeland security and defense as undertaken in the United States since 9/11. The course critically examines the current body of knowledge with a specific focus on understanding security threats, sources, and reasons for these threats. The roles of the key players at the federal, state and local levels, the policies and procedures enacted since 9/11, and the homeland security system in practice are also examined.

Max Credits: 3
Min Credits: 3

**44.568 Contemporary Security Studies**
Course ID: 36405

Course Details: This course examines the complex nature of key domestic and international security threats and responses. Topics include terrorism and insurgency, transnational organized crime, WMD proliferation, cyber-security, intelligence, national and homeland security strategies, critical infrastructure protection, and theories of international security.

Max Credits: 3
Min Credits: 3

44.569 Scientific & Technological Dimensions of National Security

Course ID: 37103

Course Details: In this required course for the MS in Security Studies program, students will take this course to learn all about the efforts in the public and private sector to design new sensors, scanner, and the general role of science and technology in homeland and national security.

Max Credits: 3
Min Credits: 3

44.570 Managing Criminal Justice Organizations

Course ID: 5452

Course Details: A range of criminal justice management issues are addressed, including organizational structure, purpose, rewards and relationships, leadership and management styles, and the development of effective change strategies by criminal justice agencies. The complex role of the criminal justice manager in both the adult and juvenile justice system is emphasized.

Max Credits: 3
Min Credits: 3

44.573 Law and Public Policy

Course ID: 5454

Course Details: The course is an introduction to crime and the efforts to control crime through public policy. We explore the foundations of the policy-making process at the federal, state, and local levels. The course also considers broad theoretical applications pertaining to public opinion, national culture, and comparative analyses among Western democracies and their differing approaches to crime. This course employs a variety of learning tools, from roundtable discussions to policy cases.

Max Credits: 3
Min Credits: 3

44.574 Economic Crime

Course ID: 35786

Course Details: Introduction to economic crime including nature, causes, consequence, investigation, and prevention. Empirical findings and major economic crime cases will also be examined.

Max Credits: 3
Min Credits: 3

44.575 Criminal Homicide

Course ID: 36676

Course Details: A survey of the nature and extent of criminal homicide. There will be five main components: statutory definitions of homicide; theories of homicide; homicide rates over time and across jurisdictions; trends and patterns in homicide characteristics; and cross-cultural comparisons. Homicide is an important topic in criminology for three reasons: (1) it is the crime of greatest severity in any penal code; (2) it is a fairly reliable barometer of all violent crime; and (3) at a national level, no other crime is measured as accurately, precisely, and comprehensively.

Max Credits: 3
Min Credits: 3
44.576 History of Terrorism and Counterterrorism
Course ID: 37105
Course Details: This course will study the history and potential future of the global al-Qaida movement. Inspirational leaders, strategies, operations, tactics, finances and other key dimensions of this network will be examined in depth. The course will also examine specific vulnerabilities of a decentralized networked organization like al-Qaida, to include tactical control, strategic authority, dependence on technologies, and transactional integrity.
Max Credits: 3
Min Credits: 3

44.577 Terrorist Networks Al Qaida and Affiliated Groups
Course ID: 37102
Course Details: This course will study the history and potential future of the global Al-Qaida movement. Inspirational leaders, strategies, operations, tactics, finances and other key dimensions of this network will be examined in depth. The course will also examine specific vulnerabilities of a decentralized networked organization like Al-Qaida, to include tactical control, strategic authority, dependence on technologies, and transactional integrity.
Max Credits: 3
Min Credits: 3

44.578 Intelligence Analysis Policy and Practice
Course ID: 37085
Course Details: Students will examine the tradecraft of intelligence collection and analysis from various perspectives. Topics will include strategies, tactics, legal and ethical implications, sources, means, methods, limitations, covert action, methods of analysis, and case studies of prominent intelligence successes and failures in the last half century.
Max Credits: 3
Min Credits: 3

44.580 Descriptive & Inferential Statistics
Course ID: 5455
Course Details: This course is a rigorous introduction to statistical inference: probability theory, confidence intervals, and hypothesis tests. The course also covers regression analysis, which is developed in a non-technical way, with an emphasis on interpretation of regression results, using examples from recent research.
Max Credits: 3
Min Credits: 3

44.588 Strategic Intelligence and Homeland Security
Course ID: 32202
Course Details: This course is designed to provide an overview of the past, present, and future role of intelligence in national security. The course addresses the development and institutional structure of intelligence organizations and explains their purpose, roles, responsibilities, and realms of authority. It also provides an overview on oversight and accountability of intelligence agencies, intelligence cultures, the impact of technology, the development of collection and analytic capabilities, and the interaction between intelligence and policy. The course makes extensive use of case studies to examine incidents where intelligence played a significant role and the dilemmas in its application, primarily in the areas of national security and military policy.
Max Credits: 3
Min Credits: 3

44.590 Research Design
Course ID: 5456
Course Details: Research design is a graduate-level introduction to methodology as used in criminology/criminal justice. The course
surveys the research design enterprise and covers a host of issues on the measurement and collection of data, and other procedures that influence whether a research study will lead the investigator to scientifically rigorous information. This course explains various strategies for devising social science studies, compares the relative benefits of various designs, and identifies the tools necessary to conduct studies that will yield data worthy of analysis and interpretation. This material will be valuable for students who will conduct research and administrators who must evaluate the research of others.

Max Credits: 3  
Min Credits: 3

44.594 Crime Analysis and Mapping

Course ID: 5460

Course Details: This course examines the use of new technologies to analyze crime patterns and develop crime prevention strategies. Students study theories that explain the geographic distribution of crime and learn how to use Geographic Information Systems to study crime in ways that draw upon theory as well as how to apply GIS techniques in the law enforcement and corrections fields.

Max Credits: 3  
Min Credits: 3

44.595 Program Evaluation

Course ID: 5461

Course Details: A detailed examination of methods of evaluating criminal justice programs. Focuses on both process and outcome evaluation.

Max Credits: 3  
Min Credits: 3

44.599 Criminal Justice Intelligence and Information Sharing

Course ID: 32203

Course Details: A primary function of law enforcement is the gathering of information. However, information by itself does little to support the law enforcement mission. Intelligence, in the context of law enforcement, is the outcome of rigorous analysis of information, and often generates key decisions and/or guides tactical strategies that help facilitate the enforcement mission. This course examines the role of information and intelligence in defining and achieving the law enforcement mission. Problem solving tools such as SARA, and management tools like COMPSTAT, which rely heavily on both information and intelligence, are discussed. In a world now confronted by the threat of terrorism, the course examines the sharing/lack of sharing of information and intelligence among local law enforcement and federal agencies and the impact of this contentious relationship.

Max Credits: 3  
Min Credits: 3

44.622 Intimate Partner Violence

Course ID: 5463

Course Details: An examination of the nature and extent of intimate partner violence and an analysis of the causes and consequences of violence between partners as well as the latest research regarding the criminal justice response.

Max Credits: 3  
Min Credits: 3

44.623 Responding to Child Maltreatment

Course ID: 5464

Course Details: Introduction to empirical findings and theoretical perspectives concerned with the maltreatment of children and youth. Includes an examination of prevalence rates, risk factors, consequences, and system responses.

Max Credits: 3  
Min Credits: 3
44.624 Violence in America

Course ID: 5465

Course Details: This course provides an in-depth analysis of the causes, context, and control of a wide range of violent crimes. Topics covered in this class include: Murder, rape, robbery, assault, and violence in the helping professions, the workplace, school, gang violence, cult violence, and institutional violence. For each form of violence, we examine issues related to (1) the extent of the problem, characteristics of the crime, victim, and offender, (2) causation, (3) crime prevention, and (4) crime control strategies.

Max Credits: 3
Min Credits: 3

44.642 Issues in Computer Crime and Cyber Security

Course ID: 37097

Course Details: This course will examine the history and evolving nature of the relationship between technology, crime, and security, with a particular focus on legitimate and illegitimate Internet commerce, and cyber criminal methodologies and techniques. We will study major issues in cyber security including criminal and state-sponsored hacking; data, intellectual property, and identity theft; financial and personal data security; cyber-terrorism; tools and methods used to exploit computer networks, and strategies to protect against them; and new and emerging technologies. This course will be taught specifically for non-computer science majors, although students with computer science backgrounds are welcome for the experiences that they can bring to the class discussions.

Max Credits: 3
Min Credits: 3

44.643 Weapons of Mass Destruction

Course ID: 37100

Course Details: This course explores the threats that weapons of mass destruction (WMD) pose to the U.S. and its interests along with the strategies to meet those threats. The course will examine the technical aspects, history, and contemporary threat of each category of weapon—chemical, biological, radiological, and nuclear—followed by a critical analysis of U.S. and global efforts to limit access to these weapons and prohibit their production, proliferation and use. The course will also review some aspects of WMD attack response, recovery, and mitigation.

Max Credits: 3
Min Credits: 3

44.644 Global Trafficking and Criminal Networks

Course ID: 37101

Course Details: Illicit economic activities are a global phenomenon with local impact. This course will examine the threat that global trafficking poses to a nation’s security, political stability, economic development, and social fabric. The lessons in this advanced graduate-level seminar are organized around the trafficking activities of greatest concern to the United Nations, Interpol, IAEA and other international agencies as well as to the U.S. Departments of State, Defense, Justice, and Homeland Security.

Max Credits: 3
Min Credits: 3

44.646 Sex Crimes and Offenders

Course ID: 32172

Course Details: This course examines the nature of sex offenses as well as the mind of the sex offender, and focuses on motives, possible victims, and rehabilitation. The responses of the mental health and criminal justice systems are examined and the effectiveness of those responses is assessed.

Max Credits: 3
Min Credits: 3

44.650 Community Based Correction

Course ID: 5470
Course Details: This course presents a detailed examination of current theory, research, and policy development in the field of community corrections, both nationally and internationally. Topic areas include sentencing, probation, parole, fines, community service, and intermediate sanctions (intensive supervision, house arrest/electronic monitoring, boot camps). Issues include the punishment vs. control argument, community justice models, special offender populations (drug offenders, sex offenders, mentally ill offenders, AIDS), and the cost effectiveness of community corrections.

Max Credits: 3
Min Credits: 3

44.680 Selected Topics

Course ID: 5473

Course Details: A comprehensive examination of a current issue in criminal justice.

Max Credits: 3
Min Credits: 3

44.689 Special topics in Criminal Justice and Criminology

Course ID: 37106

Course Details: Special topics classes are used to address timely issues that do not fit into the regular course offerings.

Max Credits: 3
Min Credits: 3

44.691 Directed Study in Criminal Justice

Course ID: 5478

Course Details: This course is designed as an independent study of a subject not offered in the standard curriculum.

Max Credits: 3
Min Credits: 3

44.697 Security Studies Project Design and Defense

Course ID: 37111

Course Details: Under faculty supervision, students in the MS in Security Studies program will design a science or technology-related project that demonstrates mastery in a subject relevant to security. Examples could include chemical or biological sensors, computer firewall intrusion detection system, baggage scanners, signals interception device, etc.

Max Credits: 3
Min Credits: 3

44.698 Security Studies Capstone 1 Data Collection and Analysis

Course ID: 37112

Course Details: This course is the first of a 2-part culminating capstone experience for students in the MA in Security Studies program at UMass Lowell. Incorporating the tools learned in 44.591: Research Design and Methods, students are required to design a research question, gather and analyze information, and write a Master’s level research paper of at least 50 pages on a topic of their choosing related to security studies. The design of the 2-course capstone sequence emphasizes independent research and writing, thus required class periods are kept to a minimum.

Max Credits: 3
Min Credits: 3

44.699 Security Studies Capstone 2 Writing and Presentation

Course ID: 37113
Course Details: This course is the second of a 2-part culminating capstone experience for students in the MA in Security Studies program at UMass Lowell. Incorporating the tools learned in 44.591: Research Design and Methods, students are required to design a research question, gather and analyze information, and write a Master's level research paper of at least 50 pages on a topic of their choosing related to security studies. In this second course of the sequence, students will prepare drafts of their paper for review by their faculty mentor, and at the end of the semester will give a presentation (graded), open to the community, on their research.

Max Credits: 3  
Min Credits: 3

**44.741 Thesis Review**

Course ID: 35263

Course Details:

Max Credits: 1  
Min Credits: 1

**44.743 Master's Thesis - Criminal Justice**

Course ID: 5488

Course Details:

Max Credits: 3  
Min Credits: 3

**44.746 Master's Thesis - Criminal Justice**

Course ID: 5489

Course Details:

Max Credits: 6  
Min Credits: 6

**44.749 Master's Thesis - Criminal Justice**

Course ID: 5490

Course Details:

Max Credits: 9  
Min Credits: 9

**46.544 Advanced Research Methods**

Course ID: 37360

Course Details: The purpose of this course is to introduce students to the fundamentals of research while also conveying the need for skepticism as the foundation of scientific inquiry. Both quantitative and qualitative methods will be examined. Students will gain first-hand knowledge of the research process by formulating their own research questions, locating current literature to frame their topic, developing causal theories and then empirically testing these theories. With that in mind, the first goal of this course is for students to become critical consumers of research in general and peace and conflict research in particular. The second goal is for students to develop theories about peace and conflict and research designs to test those theories. Students are encouraged to use this course to develop their thesis or projects.

Max Credits: 3  
Min Credits: 3

**47.500 Introduction to Community Social Psychology**

Course ID: 5760

Course Details: Introduces history and contemporary trends of community and social psychology with focus on how social and
environmental forces affect individual and group quality of life. This course surveys the history, theoretical frameworks, core values, methods/approaches and orienting concepts in the field.

Max Credits: 3
Min Credits: 3

**47.501 Applied Developmental Psychology**

Course ID: 5761

Course Details: Provides a life span developmental perspective on individual and social adaptation and change. Examines appropriate theory and research, and illustrates the influences of environmental, social and cultural factors.

Max Credits: 3
Min Credits: 3

**47.502 Seminar in Community Social Psychology**

Course ID: 5762

Course Details: Offered from time to time to highlight specialized areas of faculty interest and to acquaint the student with new developments from a broad range of current psychological theory and research and how these developments might affect social and community life.

Max Credits: 3
Min Credits: 3

**47.503 Applied Social Psychology**

Course ID: 5763

Course Details: Introduces students to social psychology as an applied discipline. Covers such applied topics as attitude change, aggression, helping behavior, attribution, and interpersonal influence.

Max Credits: 3
Min Credits: 3

**47.504 The Family System**

Course ID: 5764

Course Details: Studies family processes and the interplay between the family and other social, cultural, and socio-economic systems. Topics include parental roles, changing family structures, racial and ethnic factors, and interactions between family, work, and community.

Max Credits: 3
Min Credits: 3

**47.509 Psychological Approaches to Child Maltreatment**

Course ID: 35082

Course Details: The course addresses the painful topic of Child Maltreatment in the context of research on optimal, typical, and unacceptable treatment of children, as maltreatment cannot be considered apart from acceptable and even optimal treatment. The impact of maltreatment on the development of the child from the first growth of physical organs in the prenatal infant through the development of moral reasoning in the adolescent is addressed. Both theories and research will be discussed.

Max Credits: 3
Min Credits: 3

**47.512 Applied Research Methods**

Course ID: 5767

Course Details: Considers strengths and limitations of various approaches to community and social psychological research. Develops
skills for formulating research questions and translating them into practical study designs. Sensitivity to research ethics as well as research practicality and validity are emphasized. Pre- or Co-requisite: 47.500

Max Credits: 3
Min Credits: 3

47.522 Psychology of Diversity

Course ID: 5770

Course Details: This course introduces students to theoretical, philosophical and experiential frameworks for thinking about diversity in our communities and society. It includes an examination of the experiences of diverse groups, especially traditionally oppressed groups and individuals. This course is designed to engage students in a process of introspection and self-examination about issues such as racism, sexism, classism, and homophobia. Emphasis will be placed on challenging one's own world view and the way it fits into institutional oppression, as well as the way it may affect our work as community change agents.

Max Credits: 3
Min Credits: 3

47.523 Women in the Community

Course ID: 5771

Course Details: An examination of women's roles in the home, community, and work place; examines psychological consequences, social structural influences, and options for change. Topics include: housework and childcare; violence against women; work place stratification issues; and women's contributions to their communities.

Max Credits: 3
Min Credits: 3

47.526 Workplace Diversity

Course ID: 30411

Course Details: This course will explore the challenges presented by the increasingly diverse workforce within the United States. Students will consider how work groups and organizations can effectively incorporate a diversity of perspectives. Students will consider issues of oppression, discrimination and bias, with particular attention paid to the situation here in the Merrimack Valley. There will also be some focus on personal awareness and the development of skills for addressing diversity concerns.

Max Credits: 3
Min Credits: 3

47.527 Immigrant Psychology and Communities

Course ID: 33083

Course Details: This course will focus on the immigrant experience and the various immigrant groups in the United States with emphasis on recent immigrants in Lowell and Massachusetts. Theories of acculturation and adaptation to a new cultural environment will be extensively examined in the course. An experiential approach will be integrated throughout the course via the incorporation of guest speakers, films, autobiographies/novels, and food. Students will have ample opportunities to read, reflect, discuss and write about the immigrant experience. As our country is a country of immigrants, this course should have relevance to anyone working in the community.

Max Credits: 3
Min Credits: 3

47.542 Working with Groups

Course ID: 5783

Course Details: This course uses a community-based approach to working with groups. Guided by an understanding of theoretical principles, students will gain insights about group dynamics and process. Students will develop and apply various skills, including assessment, enhanced communication, conflict resolution, problem solving, decision-making, and evaluation. Emphasis is placed on working within diverse groups, attaining outcomes, and utilizing resources. Organizational, prevention/intervention, and focus groups are examined.

Max Credits: 3
47.543 Forensic Psychology

Course ID: 5441

Course Details: This course applies psychological theories, principles, and research to issues of concern to the criminal justice system with a special focus on the intersection of the mental health and criminal justice systems.

Max Credits: 3
Min Credits: 3

47.545 Community and Organizational Change

Course ID: 5784

Course Details: A review of skills, techniques, and qualities associated with effective community and organizational interventions. Topics include the possibility and desirability of change, methods for studying change, assessment of needs and resources, visioning and planning, membership recruitment and retention, strategy and tactics, leadership styles, publicizing, funding, advocacy, evaluation techniques, and the personal qualities of the change agent. Both cultural factors and the community context of interventions will be discussed. Application to specific cases will be made. Students will have the opportunity to apply course material to settings outside the classroom.

Max Credits: 3
Min Credits: 3

47.546 Grant Writing

Course ID: 5785

Course Details: This course will be a hands-on course in grant writing. One of the first lessons that you will learn is that grant writing is only to a small degree about writing. Successful grants emerge from working effectively with others to draw out ideas, capture those ideas to create a program or a plan for research, show how the plan is an appropriate one to respond to the "Request for Proposals", and package those ideas so that they make sense to the people who will review the proposal. Grant writing is increasingly a team building activity. Whether or not you obtain the funding is sometimes less important than the networking and planning that you do as a part of developing a grant proposal.

Max Credits: 3
Min Credits: 3

47.561 Introduction to Behavioral Intervention in Autism

Course ID: 32169

Course Details: This course provides an introduction to the causes and diagnosis of autism, scientific validation, applied behavior analysis, and ethical treatment. Students also learn to write functional objectives, plan positive reinforcement, and design an applied measurement system in the context of developing Individualized Family Service Plans and Individualized Education plans. The issue of culturally appropriate interventions is addressed. Prerequisite: coursework in the psychology of child development, or permission.

Max Credits: 3
Min Credits: 3

47.562 Teaching and Positive Behavioral Support in Autism

Course ID: 32546

Course Details: This course covers the application of specific behavioral teaching procedures, including prompting, reinforcement, shaping, chaining, error correction and generalization methods, and the development of instructional plans. Emphasis is placed on procedures and plans to teach communication, social, self-help and per-academic skills. Application of such methods in inclusive classroom settings is also considered.

Max Credits: 3
Min Credits: 3

47.565 Measurement and Experimental Design in Behavioral Intervention
Course ID: 33068

Course Details: This course provides advanced coverage of measurement methods used in behavioral intervention. It also offers in-depth coverage of the "within-subject" experimental designs commonly used in behavioral research and practice. Component analysis and parametric analysis methods, and ethical considerations in research, are also covered.

Max Credits: 3
Min Credits: 3

47.566 Functional Analysis and Treatment of Challenging Behavior

Course ID: 33066

Course Details: This course covers the purpose, rationale and methods used in conducting and interpreting functional analyses of challenging, or "maladaptive", behaviors (self-injury, stereotypy, aggression). It also describes the full range of behavioral procedures used to decrease or eliminate these behaviors, with emphasis placed on ethical interventions and the desirability of least restrictive and non-aversive strategies.

Max Credits: 3
Min Credits: 3

47.568 Behavioral Intervention Program Models in Autism

Course ID: 33067

Course Details: This course explores how educational environments can be designed to maximize learning. Different models of effective, evidence-based behavioral interventions are analyzed. The use of teaching activity schedules and staff training to build supportive educational settings is also covered.

Max Credits: 3
Min Credits: 3

47.571 Autism and Developmental Psychopathology

Course ID: 37675

Course Details: This course is designed to explore Autism Spectrum Disorders (ASDs) in the developing person and in changing social contexts (e.g., family, school, employment) across development. An empirical and theoretical review of developmental transformations and reorganizations across the lifespan provides the basis for examining biological, social, psychological, and cultural contributions to the continuity and discontinuity of both adaptive and maladaptive processes over time as well as an analysis of individual and environmental risk and protective factors across development. Special attention is given to the changing competencies and challenges of developmental periods and their role in the assessment, display, meaning, and implications of ASDs from infancy through adulthood.

Max Credits: 3
Min Credits: 3

47.572 Legal and Ethical Issues in Professional Practice.

Course ID: 37676

Course Details: This course will explore the legal and ethical issues facing professionals working with individuals diagnosed with disabilities, particularly those on the autism spectrum. The goal is to provide behavior analysts and other professionals the opportunity to develop skills in dealing with the complex legal and ethical issues that arise when working in human service fields.

Max Credits: 3
Min Credits: 3

47.574 Community and Social Interventions in Autism

Course ID: 37998

Course Details: This course will focus on current perspectives of community-based programming for individuals on the autism spectrum, particularly among the adolescent and adult age range. We will overview the challenges experienced by those with an autism spectrum disorder (ASD) during adolescence and adulthood, and consider the issues involved in designing, implementing, and evaluating social and community interventions for this population.
Course Details: Students will take an applied role in the community where they will have the opportunity to provide some form of meaningful service to individuals, groups or communities. Students will meet regularly with a designated faculty member on campus to consider their experiences in the context of current psychological thought. In some instances, the commitment to community service may extend over the course of a full year. Graded as Satisfactory or Unsatisfactory. 1, 2 or 3 credits. This course may be repeated but no more than 9 credits total from any combination of 47.486, 47.488 and 47.491 may be counted toward the degree.

Max Credits: 3
Min Credits: 3

47.611 Program Evaluation

Course ID: 5790

Course Details: A skill-oriented approach that considers both formative and summative evaluation techniques. Emphasizes mastery of the technical aspects of the evaluation process, and includes consideration of the importance of program evaluation in community psychology, health, education, etc.

Max Credits: 3
Min Credits: 3

47.625 Advanced Community Dynamics: Lowell

Course ID: 5795

Course Details: An examination of principles that influence community structure, function, and evolution over time. Students will learn how community patterns and activities can best be understood and how community problems and concerns can best be addressed, employing psychological and other conceptual frameworks and perspectives. Specific emphasis will be placed on the historic and diverse city of Lowell. Prerequisites: 47.500 and 47.512.

Max Credits: 3
Min Credits: 3

47.631 Practicum I

Course ID: 5796

Course Details: Provides supervised field experience in a setting appropriate to the student’s area of specialization, plus on-campus class meetings. An average of approximately ten hours of fieldwork in an approved setting for two consecutive semesters is required. Prerequisites: 47.500 and 47.512; pre-or Co-requisite: 47.625

Max Credits: 3
Min Credits: 3

47.632 Practicum II

Course ID: 5797

Course Details: Continuation of 47.631, which is pre-requisite.

Max Credits: 3
Min Credits: 3

47.661 Social and Community Interventions in Autism

Course ID: 37677

Course Details: This course will focus on current perspectives of community-based programming for individuals on the autism spectrum,
particularly among the adolescent and adult age range. We will overview the challenges experienced by those with an autism spectrum
disorder (ASD) during adolescence and adulthood, and consider the issues involved in designing, implementing, and evaluating social
and community interventions for this population. The class will incorporate weekly readings focusing on research in the field,
presentations, and guest speakers.

Max Credits: 3
Min Credits: 3

**47.663 Experimental Analysis of Behavior**

Course ID: 37678

Course Details: This course will explore the basic principles of the experimental analysis of behavior and their application to an
understanding of learning. Emphasis will be placed on the historical underpinnings of the field, the methods of analysis, and current
issues in the field.

Max Credits: 3
Min Credits: 3

**47.671 Supervised Practicum in Behavioral Intervention in Autism: I**

Course ID: 37672

Course Details: The practicum sequence of courses is designed to provide students with a total of 750 hours of practicum experience. In
this first of 2- or 3-course sequence, students will complete 250 or 375 hours of experience in applying behavioral principles and
methods to children on the autism spectrum or with forms of developmental disability. Students will be placed in approved settings, and
though on-site supervision and supervision provided by the practicum instructor will receive some of the BCBA-supervision hours
required by the Behavior Analyst Certification Board. Students will average approximately 17 or 25 hours per week at their practicum
site and will also participate in an on-campus practicum seminar with weekly class meetings. Fall Semesters only.

Max Credits: 3
Min Credits: 3

**47.672 Supervised Practicum in Behavioral Intervention in Autism: II**

Course ID: 37673

Course Details: In this second of a 2- or 3-course sequence, students will complete 250 hours or 375 hours of experience in applying
behavioral principles and methods to children on the autism spectrum or with other forms of developmental disability. Students will be
placed in approved settings, and through on-site supervision and supervision provided by the practicum instructor will receive one-third
of the BCBA-supervision hours required by the Behavior Analyst certification Board. Students will average approximately 17 or 25 hours
per week at their practicum site and will also participate in an on-campus practicum seminar with weekly class meetings. Spring
semesters only.

Max Credits: 3
Min Credits: 3

**47.673 Supervised Practicum in Behavioral Intervention in Autism: Continuing**

Course ID: 37674

Course Details: For students who did not complete the required 750 experience and supervision hours in 47.671 and 672, in this third
course students will complete 250 hours of experience in applying behavioral principles and methods to children on the autism spectrum
or with other forms of developmental disability. Students will be placed in approved settings, and through on-site supervision and
supervision provided by the practicum instructor will receive some of the BCBA-supervision hours required by the Behavior Analyst
Certification Board. Students will average approximately 17 or 25 hours per week at their practicum site and will also participate in an
on-campus practicum seminar with weekly class meetings. Summer semesters only.

Max Credits: 3
Min Credits: 3

**47.691 Directed Study in Community and Social Psychology**

Course ID: 5799

Course Details: This course is designed as an independent study under the supervision of a member of the department of a subject not
47.692 Directed Study in Autism

Course ID: 37740

Course Details: This course is designed as an independent study under the supervision of a member of the department of a subject not offered in the standard curriculum.

Max Credits: 3
Min Credits: 3

47.733 Master's Project in Community-Social Psychology

Course ID: 5802

Course Details: For graduate students actively engaged in developing a change-oriented intervention leading to the submission of a written project report. A program of supervised study will be arranged between the student and a faculty supervisor. Prerequisite: Approval of major advisor.

Max Credits: 3
Min Credits: 3

47.741 Graduate Research: Psychology

Course ID: 5803

Course Details:

Max Credits: 1
Min Credits: 1

47.743 Master's Thesis in Community Social Psychology

Course ID: 5804

Course Details: For graduate students actively engaged in research leading toward the submission of a written thesis. A program of supervised work will be arranged between the student and a faculty supervisor. This course may be repeated for credit, but only a total of 6 credits may be counted toward the Master's degree. Prerequisite: 47.500 and 47.512 and permission of the faculty member who will supervise the thesis.

Max Credits: 3
Min Credits: 3

47.744 Master's Thesis in Autism Studies

Course ID: 38223

Course Details: For graduate students actively engaged in research leading toward the submission of a written thesis. A program of supervised work will be arranged between the student and faculty supervisor. This course may be repeated for credit, but only a total of 6 credits may be counted toward the Master's degree. Prerequisite: 47.512 and 47.561 and permission of the faculty member who will supervise the thesis.

Max Credits: 3
Min Credits: 3

49.593 Econometrics

Course ID: 37457

Course Details: This graduate level course introduces students to econometric methods. The prerequisites are either the equivalent to Statistics for Business and Economics I (49.211) and Statistics II (49.212) as described in the UML course catalogue. This course will
cover econometric techniques such as bivariate and multivariate regressions. These techniques are commonly used in economics.
Throughout the course the students will use Stata, a statistical software, and they will learn how to apply the methods from the book to real datasets. The students will learn how to find the appropriate statistical approach starting from a verbal formulation of an empirical hypothesis. They will also learn to evaluate the relevance, quality and limitations of empirical results. The students will refine these skills via homework, a paper, class participation and presentations.

Max Credits: 3
Min Credits: 3

49.730 Microeconomic /Organization Theory

Course ID: 36931

Course Details: This course is an introduction to microeconomic theory. The focus is on the behavior of individual consumers and firms in competitive settings. Topics will include consumer preferences and utility, consumer choice, market demand, production theory and market structure.

Max Credits: 3
Min Credits: 3

49.731 Statistics

Course ID: 36927

Course Details: This course covers descriptive statistics, random variables and expected value, discrete and continuous probability distributions, joint distribution functions, sampling distributions, point and interval estimation, and hypothesis testing, and non-parametric statistics. This course will also provide a brief introduction to linear regression and analysis of variance (ANOVA).

Max Credits: 3
Min Credits: 3

49.733 Econometrics I

Course ID: 36928

Course Details: After a brief review of the required mathematics for the course, the primary focus will be on the multivariate linear model. Topics include: consistency and asymptotic normality of the parameter estimates, sampling distributions, hypothesis testing, parameter restrictions, and specification test and corrections for violation of model assumptions. This course will also include working with various statistical packages.

Max Credits: 3
Min Credits: 3

49.734 Econometrics II

Course ID: 36929

Course Details: This course is a continuation of Econometrics I; the focus will be on the more advanced techniques used in estimation and inference problems in social science research. Possible topics include nonlinear models, the generalized method of moments, limited dependent variable and sample selection problems, multi-equations models, time-series models, and panel data analysis. Statistical packages will be utilized for a hands-on approach to the techniques.

Max Credits: 3
Min Credits: 3

57.503 Work, Technology and Training

Course ID: 6183

Course Details: This course surveys issues of work organization and technological change and the key roles they play in the development process. Contrasts are made among different systems of production, and key changes in the work roles and responsibilities of non-supervisory employees, front line supervisors and middle and upper management are identified. This course includes comparisons of historical transformations at key moments in the emergence of internationally competitive developed economies. In addition, selected contemporary cases exemplify current issues in the ongoing transformation of work organization and technology. Students are introduced to practical considerations in work process design. Student projects are required.
57.506 Research Methods

Course ID: 6186

Course Details: This course is an applied survey of research methods appropriate for regional economic and social development. Students will learn data presentation and basic descriptive and inferential statistics, as well as the basics of researching data sources and primary data-gathering techniques (survey, case study, archival), and a framework for deciding when particular methods of data-gathering and analysis are appropriate. Students will apply the techniques as they learn them.

Max Credits: 3
Min Credits: 3

57.508 The Budget as a Policy, Planning and Information Tool

Course ID: 33622

Course Details: In simple terms, an organization’s budget is its financial plan of operations based on expected income and anticipated expenses for a given period. The budget involves the priority ranking of desired ends and the selection of means to reach those ends in an environment of competing demands and limited resources. Budgeting is an ongoing process of gathering information, applying that information to the allocation of scarce resources as well as to the evaluation of the achievement of desired ends. The budget is also a policy document used to both communicate organizational goals and to promote their realization. This course will examine the various forms financial plans can take in local government entities and not-for-profit organizations. It will focus on the budget as a policy, planning and information tool for managing practitioners. It will begin with an overview of the legal, procedural and practical framework of budgeting in the public and nongovernmental organization (NGO) sectors, examine closely the applications of the various stages of the budget process, delve into modern strategic program management and conclude with case studies of both a municipal jurisdiction and a regional community action agency.

Max Credits: 3
Min Credits: 3

57.511 Dynamics Power and Authority

Course ID: 6189

Course Details: This course surveys theories of power, authority, participation, and politics. Building on these theories, students will examine changing social, political, and economic patterns of inequality based on class, race (and related divisions of ethnicity, religion, caste, nationality), and gender. Reviews various approaches to altering these dynamics (business strategy, public policy, community and social movements). Cuts across units of firm, community, region, and nation, along with corresponding governmental institutions, and links theoretical analysis with study of practical problem solving. Instructor-initiated cases drawn from a variety of national experiences. Students will learn techniques of power analysis and prepare a power analysis project.

Max Credits: 3
Min Credits: 3

57.512 Community Conflict Resolution

Course ID: 6190

Course Details: This course gives students an understanding of the main issues and solutions involved in community level conflict resolution; e.g., in neighborhoods, workplaces, and other institutions. It develops students’ skills in practicing conflict resolution and/or evaluating programs in the field of dispute resolution. It is important to understand why conflict happens and how to resolve conflict.

Max Credits: 3
Min Credits: 3

57.513 Foundations Of Comparative Regional Development

Course ID: 6191

Course Details: This course offers an initial grounding in economic, historical, political, and sociological methodologies and introduces discipline-based and interdisciplinary approaches to regional development. It introduces students to: identifying and assessing structural factors influencing regional development, defining regional development challenges, and generating problem-solving strategies and public policies. The course highlights the relationship between theory and application, and looks at development at the community,
national, and international levels. It makes extensive use of case materials on regional development, including a unit on the development
of the Massachusetts economy. Students will learn how to find, prepare and analyze data on regional economies and will learn several
basic quantitative tools for regional analysis.

Max Credits: 3
Min Credits: 3

57.514 Community Mapping

Course ID: 6192

Course Details: Interest in community mapping as a way to identify, analyze, and address problems is growing as new computer tools
become available. This course provides students with hands-on training in using geographic information systems (GIS) for research,
problem solving, and social action. Students will read the interdisciplinary literature that shows how scholars from such fields as regional
economic and social development, public policy, community psychology, management, environmental sciences, health care, and
criminal justice are using GIS to explore questions and work with different constituencies. Students will learn about how people in
different jobs (in government, industry, nonprofits) are employing community mapping in innovative ways for grant writing, needs
assessment, strategic planning, evaluation, and as a way to identify and address inequities. At the completion of the course, students
will be adept at using GIS programs applying the technology to problems of their choice.

Max Credits: 3
Min Credits: 3

57.515 Politics and Economics of Public Policy

Course ID: 6193

Course Details: The course will provide students with both a set of analytical frameworks to understand how and why specific public
policies develop, and a set of normative perspectives to assess what makes for good public policy. Our treatment will be
interdisciplinary drawing from areas of economics and political science. Following some grounding in the political economy of the role of
government and policy making in a market based economy such as the United States, we will do case studies to understand and to
evaluate policies from a variety of current areas of interest to the students and professors. Students will be introduced to basic ideas of
cost benefit analysis, program evaluation, and implementation analysis.

Max Credits: 3
Min Credits: 3

57.518 Comparative Environmental Study

Course ID: 6196

Course Details: In this course, students will explore the dynamics and interactions of social, economic and political factors that aid or
impede a community's ability to contribute to global environmental sustainability, one that does not threaten the well being of future
generation. Students will each select a city from one of six developing regions (Latin America, China, Southeast Asia, India and South
Asia, Sub-Saharan Africa, and North Africa & the Middle East), a city from one of two transitional regions (Russia and Eastern Europe),
and a city from an industrial region (the New England area of the United States) of similar population size. Using information from
government documents and other library resources, personal contacts, as well as the World Wide Web sites which use maps and
geographic information systems (GIS) to explore environmental health issues, students will research the status of environmental
sustainability for each of their 3 chosen regions. At the conclusion of the course students will present a comparison of their 3 regions.

Max Credits: 3
Min Credits: 3

57.520 Inequality and Organization

Course ID: 6198

Course Details: Despite the lowest unemployment rate in 25 years, the economic recovery of the 1990s has brought a Treadmill
Economy running faster with minimal gain. With low productivity growth, surprisingly little growth in wages and a long-term slowdown in
economic growth since the 1970s, the United States continues to experience increasing inequality. What forces are at work shaping
these trends and can they be modified or reversed on the local, state and regional levels? How have these trends both shaped and been
influenced by social and business policies concerning poverty and welfare, local and urban development, technology and economic
development, changes in work organization and labor-management relations, domestic investment and international competition? This
seminar course will bring local and national experts on these issues to present their findings and discuss their view of future prospects
for local and regional social and economic development policy.

Max Credits: 3
57.527 Sustainable Housing Development and Land Use: Conflict, Policy, and Practice

Course ID: 37781

Course Details: Housing is fundamental to the quality of life in communities, and housing conflict, policy and practice shape the availability of this fundamental good. This course will examine the economic, environmental, social, and cultural factors that shape housing and its sustainability. The contentious nature of housing and land use policy in the United States will be summarized, with students learning how housing policy impacts communities, states, and regions. The course will then give students a detailed understanding of the conflictive process through which housing is developed and the role the market, government, funders, workers, and housing consumers play in influencing the creation and development of housing. The course will highlight ways in which current housing development policy and practices are not sustainable, and will examine more recent efforts to establish standards and practices that enhance consensus and sustainability. Students will learn how to manage conflict and take a housing project through the various stages, such as project conceptualization, market analysis, design, site acquisition, financing, construction, and occupancy. While the course focuses on the U.S. context, students will learn of international efforts to achieve greater sustainability in housing. The course will provide students with both practical and theoretical knowledge of housing and land use conflict, policy and development practices. Case studies of actual projects will be presented.

Max Credits: 3
Min Credits: 3

57.537 Developing Economies

Course ID: 6205

Course Details: This course explores alternative visions of what is meant by development, what is involved in the development process, and who benefits from it. A country must choose the goals (such as growth, equity, or sustainable human development) it hopes to achieve and develop a strategy for attaining them. It must make critical decisions regarding the roles of major sectors of the economy (agriculture, industry, services, the extent of foreign involvement), the form of organization they will have (large or small scale, centralized or decentralized, private or public ownership), and the roles of major institutions (government, financial sectors, multinational corporations, and international aid agencies). The theoretical and practical issues we will discuss have broad relevance for understanding the varied development process in Asian countries, the struggles of middle-level developing countries (such as Mexico or Brazil) or the despair of the broad group of countries for which development seems an increasingly dimmer vision (many African countries). The course emphasizes interconnections in the world economy. On the one hand, policies shaped by institutions in First World or industrialized countries have a significant and often adverse impact on developing countries. On the other hand, the failure of development programs in many countries thought to be "developing" has a critical impact on the future of industrialized nations. Students will be expected to develop thoughtful positions on current controversial issues in development and to suggest appropriate strategies for change.

Max Credits: 3
Min Credits: 3

57.539 Justice and Trade in the Global Economy

Course ID: 37372

Course Details: We know that we are part of a global economy and that many of the things we buy and consume are produced in other countries. But what do we know of how they are made? Do we understand that there may be hidden costs in the price we pay for goods at the supermarket, in a department store? Understanding the nature of global trade is critical for us to be effective citizens in the world. Perhaps more important is that we understand how goods are produced and traded - what many think of as "fair" trade. The subject of Fair Trade isn't simply limited to the production and sale of coffee and chocolate. Fair Trade principles encompass environmental issues, human rights, and politics. Once aware of the ramifications of consumerism on all parts of the world, including the United States, people can make informed choices about the products they buy, the companies that employ them, and the political views they support. By the end of this course students should understand the major ideas and tools used to comprehend complex international and global trade relations. Students will understand the way in which goods are produced for global markets and the possible human and environmental costs such production entails.

Max Credits: 3
Min Credits: 3

57.540 China and India in the Global Economy

Course ID: 34691

Course Details: In recent years China and India, with one-third of the world's population, have emerged as economic powerhouses in the
global economy. This course will explain how these once-latent giants have become major participants in global competition, focusing in particular on their capabilities in the information and communication technologies industries. The course will cover the roles of the state, foreign investment and trade, high-tech districts, industrial enterprises, education, skill formation, knowledge creation, indigenous innovation in Chinese and Indian economic development. We will conclude the course by considering the sustainability of the Chinese and Indian development paths. Throughout the course, we will compare the social structures and economic experiences of the two nations to gain insight into their distinctive development paths.

Max Credits: 3
Min Credits: 3

57.545 The Political Economy of Employment

Course ID: 35782

Course Details: This course provides an analysis of the ways in which employment opportunities are created, sustained, and destroyed in a modern capitalist economy such as the United States. We begin by taking a close look at the current state of employment in the US economy. Then we delve into the US historical experience over the past century, focusing along the way on the Great Depression of the 1930s, the post-World War II expansion, the stagflation of the 1970s, and the profound transformation in the conditions of employment over the last two decades of the 20th century which have made jobs of even the best educated members of the labor force much less secure than previously. With this historical perspective as a foundation, we consider alternative theories of why and how the economic system creates, sustains and destroys jobs. We then ask in what ways these processes operate in the business sector, where companies need to generate profits to survive, and the government sector, which has as its foundation the taxation of the population. This understanding of the dynamics of employment in the United States provides an essential basis for explaining two key intertwined features of the US political economy over the past three decades: an increasingly unequal distribution of income and the polarization of income from employment with the disappearance of "middle class" jobs. Contributing to these outcomes, especially in the 2000s, has been the globalization of the labor force, including the "offshoring" of jobs by US companies to lower wage areas of the world. The course explores differential access to employment opportunities by race, ethnicity, and gender. The remainder of the course examines the ideologies and social movements that underpin business and government employment policy, culminating in an evaluation of the effectiveness of the current government's attempt to stimulate job creation and avert a deepening economic crisis.

Max Credits: 3
Min Credits: 3

57.546 Grant Writing

Course ID: 5785

Course Details: This course will be a hands-on course in grant writing. One of the first lessons that you will learn is that grant writing is only to a small degree about writing. Successful grants emerge from working effectively with others to draw out ideas, capture those ideas to create a program or a plan for research, show how the plan is an appropriate one to respond to the "Request for Proposals", and package those ideas so that they make sense to the people who will review the proposal. Grant writing is increasingly a team building activity. Whether or not you obtain the funding is sometimes less important than the networking and planning that you do as a part of developing a grant proposal.

Max Credits: 3
Min Credits: 3

57.552 Enterprise in Latin America

Course ID: 37169

Course Details: This M.A.-level course introduces students to the history of enterprise in Latin America through four case studies and a research project. No prior knowledge of Latin American history is required or expected. Each of the case studies, including the students' own research projects on an enterprise in Latin America, will consider the wide range of factors that impact a business. These include infrastructure, government regulations and policy, labor, markets, and environmental concerns, among others. The case studies and readings may change from semester to semester, but will be representative of different time periods and regions within Latin America. Throughout the semester, the class will also consider the historical legacies of each enterprise and how it continues to affect the region's economic and political development today.

Max Credits: 3
Min Credits: 3

57.558 Peace and Conflict Field Experience

Course ID: 37366

Course Details: A program of practical experience in the field of Peace and Conflict. Students can work in a variety of areas related to
Peace and Conflict Studies. Students meet regularly as a class on campus with the designated instructor to discuss their experiences and to learn more about the settings in which they practice and the challenges that they confront.

Max Credits: 3
Min Credits: 3

**57.587 Cooperative Education**

Course ID: 35614
Course Details: Course for F-1 students engaged in Curricular Practical Training
Max Credits: 1
Min Credits: 1

**57.591 Directed Study in Regional Economic Social Development**

Course ID: 6207
Course Details: Students work under the supervision of a professor on a project of scale and scope agreed to by the professor and the student and commensurate with the number of credits awarded for the course.
Max Credits: 3
Min Credits: 1

**57.592 Qualitative Research Methods**

Course ID: 6208
Course Details: This course provides an in-depth introduction to theoretical and practical issues of qualitative research methodologies, including survey design, interviewing techniques, case studies, ethnography and related tools. The goal and final result of this course is for students to design a research or action project in their own field of interest. This final product often forms the proposal for the student's capstone thesis or project.
Max Credits: 3
Min Credits: 3

**57.593 Advanced Quantitative Research Methods**

Course ID: 37458
Course Details: This M.A.-level course introduces students to advanced quantitative research methods. The prerequisites are either Research Methods (57.506) or courses that are equivalent to Statistics I (49.211) and Statistics II (49.212) as described in the UML course catalogue. This course will cover statistical techniques such as bivariate and multivariate regressions. These techniques are used in many social sciences and so they are of interest to, for example, economics, sociology, psychology and political science students. Throughout the course the students will use Stata, a statistical software, and they will learn how to apply the methods from the book to real datasets. The students will learn how to find the appropriate statistical approach starting from a verbal formulation of an empirical hypothesis. They will also learn to evaluate the relevance, quality and limitations of empirical results. The students will refine these skills via homework, a paper class participation and presentations.
Max Credits: 3
Min Credits: 3

**57.598 Organizational Dynamics and Regional Development**

Course ID: 6209
Course Details: This course presents theory and practice of how to develop organizations capable of learning, innovating, and empowering their participants. Case studies will focus on challenges and opportunities posed to contemporary organizations and institutions engaged in economic development. These cases will be drawn from, and principles will be applicable to, for-profit businesses, public and nonprofit agencies, and voluntary organizations. This course will also examine the nature of interactions among these various types of organizations and institutions within a variety of social and historical settings.
Max Credits: 3
Min Credits: 3
57.601 RESD Study Abroad 1
Course ID: 33071
Course Details: Graduate study abroad in an institution with a GPAC-approved graduate-level exchange program. The specific course to be taken will be approved by the RESD Graduate Coordinator.
Max Credits: 3
Min Credits: 3

57.602 RESD Study Abroad 2
Course ID: 33072
Course Details: Graduate study abroad in an institution with a GPAC-approved graduate-level exchange program. The specific course to be taken abroad will be approved by the RESD Graduate Coordinator.
Max Credits: 3
Min Credits: 3

57.603 RESD Study Abroad 3
Course ID: 33073
Course Details: Graduate study abroad in an institution with a GPAC-approved graduate level exchange program. The specific course to be taken abroad will be approved by the RESD Graduate Coordinator.
Max Credits: 3
Min Credits: 3

57.605 Social Movements And Empowerment
Course ID: 6211
Course Details: This course focuses on ways in which non-elite groups and individuals can gain control over important aspects of economic and social development. These aspects include decisions about such matters as industrial location, work conditions, community services and environmental protection; and the status of women, ethnic/racial minorities and other disadvantaged groups. Special attention is paid to the dynamics and potential impact of grass-roots social movements.
Max Credits: 3
Min Credits: 3

57.691 Practicum in Regional Economic Social Development
Course ID: 6212
Course Details: Practicum in Regional Economic Social Development
Max Credits: 3
Min Credits: 1

57.733 Master Project Regional Economic Social Development
Course ID: 6215
Course Details: Approval of advisor and Graduate Coordinator. The student carries out a major project of professional practice in collaboration with an agency engaged in economic or social development. A faculty supervisor and an agency-based supervisor both oversee the work.
Max Credits: 3
Min Credits: 3

57.746 Masters Thesis Regional Economic Social Development
Course Details: Approval of advisor and Graduate Coordinator. For graduate students actively engaged in research leading toward the submission of a written thesis. A program of supervised study will be arranged between the student and a faculty supervisor.

Max Credits: 6
Min Credits: 6

**57.747 Thesis Review**

Course ID: 35595

Course Details: Continuing work to complete thesis.

Max Credits: 1
Min Credits: 1

**71.595 Graduate Directed Study in Music Theory**

Course ID: 6943

Course Details:

Max Credits: 3
Min Credits: 3

**71.610 Structure, Context and Style**

Course ID: 6945

Course Details: This course will bring the student to a concept of music in its theoretical, historical and cultural contexts, building on the materials and techniques acquired in undergraduate studies. Required for all Master of Music Students.

Max Credits: 3
Min Credits: 3

**72.501 Graduate Applied Keyboard I**

Course ID: 7047

Course Details:

Max Credits: 2
Min Credits: 2

**72.502 Graduate Applied Keyboard 2**

Course ID: 7048

Course Details:

Max Credits: 2
Min Credits: 2

**72.511 Graduate Applied Voice I**

Course ID: 7049

Course Details:

Max Credits: 2
Min Credits: 2

**72.512 Graduate Applied Voice 2**
Course ID: 7050
Course Details:
Max Credits: 2
Min Credits: 2

72.521 Graduate Applied Woodwinds 1
Course ID: 7051
Course Details:
Max Credits: 2
Min Credits: 2

72.522 Graduate Applied Woodwinds 2
Course ID: 7052
Course Details:
Max Credits: 2
Min Credits: 2

72.531 Graduate Applied Brass And Percussion 1
Course ID: 7053
Course Details:
Max Credits: 2
Min Credits: 2

72.532 Graduate Applied Brass And Percussion 2
Course ID: 7054
Course Details:
Max Credits: 2
Min Credits: 2

72.541 Graduate Applied Strings 1
Course ID: 7055
Course Details:
Max Credits: 2
Min Credits: 2

72.542 Graduate Applied Strings 2
Course ID: 7056
Course Details:
Max Credits: 2
Min Credits: 2

73.500 Global Music for Classroom
Course ID: 7116

Course Details: Focus on the music education profession’s response to multiculturalism in education as evidenced through the National Music Standards and an examination of resources and methodologies for teaching and understanding the music of diverse cultures, styles, and genres. As one of the core professional music education courses, the course includes the component of pre-practicum fieldwork. There will be an additional research project for Graduate Students enrolled in 73.500.

Max Credits: 3
Min Credits: 3

73.501 Introduction To Brass Pedagogy 1

Course ID: 7092

Course Details: Intensive class instruction toward the development of basic performance proficiency on brass instruments and the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.

Max Credits: 1
Min Credits: 1

73.502 Introduction to Brass Pedagogy 2

Course ID: 7093

Course Details: A continuation of 73.141. Intensive class instruction toward the development of basic performance proficiency on brass instruments and the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.

Max Credits: 1
Min Credits: 1

73.503 Introduction to Guitar Pedagogy

Course ID: 7094

Course Details: Intensive class instruction toward the development of basic performance proficiency on the guitar and the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.

Max Credits: 1
Min Credits: 1

73.504 Introduction to Woodwind Pedagogy I

Course ID: 7095

Course Details: Intensive class instruction toward the development of basic performance proficiency on woodwind instruments and the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.

Max Credits: 1
Min Credits: 1

73.505 Introduction to Woodwind Pedagogy 2

Course ID: 7096

Course Details: A continuation of 73.144. Intensive class instruction toward the development of basic performance proficiency on woodwind instruments and the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.

Max Credits: 1
Min Credits: 1

73.506 Introduction to Percussion Pedagogy

Course ID: 7099

Course Details: Intensive class instruction toward the development of basic performance proficiency on percussion instruments and the
the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.

Max Credits: 1
Min Credits: 1

**73.507 Introduction to Strings Pedagogy 1**

Course ID: 7104
Course Details:
Max Credits: 1
Min Credits: 1

**73.508 Introduction to String Pedagogy 2**

Course ID: 7105
Course Details: Intensive class instruction toward the development of basic performance proficiency on string instruments and the development of pedagogical skills and techniques for beginning instruction and demonstration purposes.
Max Credits: 1
Min Credits: 1

**73.510 Foundations Of Music Education**

Course ID: 7146
Course Details: This course is intended for undergraduate students preparing for teacher certification in music. Course participants will explore the historical, psychological, and philosophical foundations upon which current practices in music education are built. Students will explore these concepts through readings, class discussions, individual and group presentations, and other dynamic and interactive processes.
Max Credits: 3
Min Credits: 3

**73.515 Special Topics in Music Education**

Course ID: 35084
Course Details: A variety of topics in Music Education will be explored such as children and the composition process, curriculum design, assessment and technology, which will vary from semester to semester.
Max Credits: 3
Min Credits: 3

**73.516 Introduction to Voice Pedagogy 1**

Course ID: 7107
Course Details: Intended to cultivate the fundamental principles of singing. The psychology of singing and the psychology of the singing voice are considered as they apply to tone production and resonance.
Max Credits: 1
Min Credits: 1

**73.517 Introduction to Voice Pedagogy 2**

Course ID: 7108
Course Details: A continuation of Voice Pedagogy 1. Intended to cultivate the fundamental principles of singing. The psychology of singing and the psychology of the singing voice are considered as they apply to tone production and resonance.
Max Credits: 1
73.522 Curriculum Design in Music Education

Course ID: 36643

Course Details: This course will focus on how to design developmentally appropriate learner centered music curricula. We will explore what it is we are looking to achieve through the arts, what types of learning we are looking to develop and what are the instructional materials and methods needed to achieve these goals.

Max Credits: 3
Min Credits: 3

73.542 Instrumental Repertoire and Rehearsal Techniques

Course ID: 7139

Course Details: Examination of appropriate instrumental repertoire for the secondary level and effective instrumental rehearsal techniques. Includes study of rehearsal planning, score preparation, and the development of fundamental musicianship skills necessary for a successful instrumental ensemble.

Max Credits: 3
Min Credits: 3

73.544 General Music Methods 1

Course ID: 7121

Course Details: A course designed to present the basic fundamentals of general music pedagogy, including lesson planning and the writing of instructional objectives. The course discusses basic principles of curriculum and instruction, assessment, learning styles, and developmental psychology. These are related to state curriculum frameworks and National Music Standards 1-5. As one of the core professional music education courses, the course includes the component of pre-practicum fieldwork in selected settings.

Max Credits: 3
Min Credits: 3

73.545 General Music Methods 2

Course ID: 7123

Course Details: Investigation of some of the most popular methods of teaching general music, including Orff, Kodaly, Dalcroze, and comprehensive musicianship. Discussion of contemporary issues including music in special education, multicultural music education, and National Music Standards 6-9. As one of the core professional music education courses, the course includes the component of fieldwork in selected settings.

Max Credits: 3
Min Credits: 3

73.563 Choral Repertoire and Rehearsal Techniques

Course ID: 35817

Course Details: Examination of appropriate choral repertoire for the secondary school level and effective choral rehearsal techniques. Covers auditioning, warmups, choral tone, diction, score preparation, and development of fundamental musicianship skills necessary for a successful choral ensemble. Serves as a choral laboratory setting for the practice of score preparation and rehearsal techniques.

Max Credits: 3
Min Credits: 3

73.577 Instrumental Music Workshop

Course ID: 7168

Course Details: This workshop is designed for music educators working with elementary, middle or high school instrumental ensembles, and for students seeking materials for practical application. Participants will explore band music through performance on instruments.
Clinician will provide additional information as to technical facility and instrument specific rehearsal techniques.

Max Credits: 3
Min Credits: 1

73.578 Music/Way of Knowing

Course ID: 7169

Course Details: Nick Page presents a unique and practical fusion of ideas and skills, combining multiple intelligence and multicultural theories to create a powerful vision for music education. Using his book "Music as a Way of Knowing," Nick Page will show how music can come alive in a creative, positive environment with music as the center of a school's curriculum - to teach history, culture, and science as well as an amazing aid to listening skills, memory, and emotional well being. Nick is a master song leader who has inspired music educators throughout North America. He is also the author of Sing and Shine On! An Innovative Guide to Leading Multicultural Song, and his choral music is published by Boosey & Hawkes and by World Music Press.

Max Credits: 2
Min Credits: 2

73.583 Intro to Technology Applications for the Music Classroom

Course ID: 30375

Course Details: Introduction to the role of computers and technology in music education programs. Course includes the development of computer literacy, including knowledge of word processing, database and spreadsheet applications as essential to educators, and explores MIDI, the Internet, music software, recording, multimedia and other technologies as educational tools.

Max Credits: 3
Min Credits: 2

73.595 Practicum & Analysis

Course ID: 7180

Course Details:

Max Credits: 9
Min Credits: 9

73.596 Graduate Directed Study: Music Education

Course ID: 7181

Course Details:

Max Credits: 3
Min Credits: 3

73.601 Seminar In Music Education

Course ID: 7185

Course Details:

Max Credits: 3
Min Credits: 3

73.625 Community Internship

Course ID: 35592

Course Details: This course will provide students with the opportunity to gain real world experience in the administration of a Community Arts organization. Students will be required to undergo 300 hours of work under the direct supervision of the director of a Community Arts organization, in coordination with a University advisor. Students will conduct research into various arts organizations, revise resumes, and draft cover letters under the guidance of the course advisor in preparation for the internship application process. Students
will be required to secure the internship pending approval of the course advisor.

Max Credits: 6
Min Credits: 6

**73.650 Research in Music Education**

Course ID: 31972
Course Details:
Max Credits: 3
Min Credits: 3

**73.695 Direct Study and Research**

Course ID: 7188
Course Details:
Max Credits: 3
Min Credits: 3

**73.696 Project Report**

Course ID: 7189
Course Details:
Max Credits: 3
Min Credits: 3

**73.743 Master's Thesis, Music Education**

Course ID: 7192
Course Details:
Max Credits: 3
Min Credits: 3

**74.594 Graduate Directed Study in Musicology**

Course ID: 7249
Course Details:
Max Credits: 3
Min Credits: 3

**74.595 Graduate Directed Study In Musicology**

Course ID: 7250
Course Details:
Max Credits: 3
Min Credits: 3

**75.553 Instrumental Pedagogy**

Course ID: 34653
Course Details: This course is directed toward the development and refinement of instrumental repertoire and pedagogy. The course
will examine the application of musical content and learning sequences to the teaching of instrumental music to students at all levels. It will include the study of teaching methods and materials for use in private and group instruction. Observation of studio and class teaching and supervised teaching experience will also be included. This course is directed toward meeting the NASM undergraduate pedagogy component.

Max Credits: 3
Min Credits: 3

75.563 Vocal Pedagogy

Course ID: 7286

Course Details: Course will introduce students to the basics of teaching singing. It will include an overview of the anatomy of the respiratory and vocal mechanism and their application to singing; the categorization of voice types with suggestions for repertoire for young solo singers; an overview of vocal exercises for various technical goals and the diagnosis of common vocal problems and how to treat them. The class will also cover the child and adolescent voice and include in-class supervised teaching.

Max Credits: 3
Min Credits: 3

75.595 Graduate Direct Study: Research in Performance

Course ID: 7301

Course Details:
Max Credits: 3
Min Credits: 3

76.501 University Orchestra

Course ID: 7346

Course Details:
Max Credits: 1
Min Credits: 1

76.502 Wind Ensemble

Course ID: 7347

Course Details:
Max Credits: 1
Min Credits: 1

76.503 Chamber Singers

Course ID: 7348

Course Details:
Max Credits: 1
Min Credits: 1

76.504 University Choir

Course ID: 7349

Course Details: Open to all students by audition. Includes the study and performance of a wide variety of choral compositions.
Max Credits: 1
Min Credits: 1
76.505 Concert Band
Course ID: 7350
Course Details:
Max Credits: 1
Min Credits: 1

76.508 Studio Orchestra
Course ID: 7351
Course Details:
Max Credits: 1
Min Credits: 1

76.510 Opera Workshop
Course ID: 7339
Course Details:
Max Credits: 1
Min Credits: 1

76.551 Choral Union
Course ID: 7352
Course Details: A large chorus open to the campus and the community without audition. Performs larger works in the choral repertoire including oratorios, masses, motets and opera.
Max Credits: 1
Min Credits: 1

76.553 Percussion Ensemble
Course ID: 7354
Course Details: Open to all students by audition. Exploration of the growing body of literature for percussion ensemble. Public performance.
Max Credits: 1
Min Credits: 1

76.554 Classical Guitar Ensemble
Course ID: 7355
Course Details:
Max Credits: 1
Min Credits: 1

76.555 Brass Ensemble
Course ID: 7356
Course Details: Open to all students by audition. Provides a wide range of performance experience through varied brass literature.
Max Credits: 1
Min Credits: 1

76.556 Electric Guitar Ensemble

Course ID: 7357

Course Details: Open to all students by audition. Provides study and performance of literature for guitar, lute, etc. Required of all guitar majors each semester

Max Credits: 1

Min Credits: 1

76.558 Piano Ensemble

Course ID: 7359

Course Details: Open to all students by audition. Provides performance experiences through varied piano ensemble literature for one and two pianos.

Max Credits: 1

Min Credits: 1

76.559 Mixed Chamber Ensemble

Course ID: 7360

Course Details: Open to all students by audition. Offers a wide range of performance experience through a selection of literature for varying combinations of instruments.

Max Credits: 1

Min Credits: 1

76.560 String Ensemble

Course ID: 7361

Course Details: Open to all students by audition. Provides experience in the performance of string orchestra literature.

Max Credits: 1

Min Credits: 1

76.561 Small Jazz Ensemble

Course ID: 7362

Course Details: Open to all students by audition. Provides experience in the performance of jazz literature for groups ranging from four to eight members.

Max Credits: 1

Min Credits: 1

76.562 Jazz Laboratory Ensemble

Course ID: 7363

Course Details: Open to all students by audition. Provides students with a clear understanding of the skills, knowledge and attitudes necessary to satisfactory ensemble performance and practical experience in the application of such skills, knowledge and attitudes.

Max Credits: 1

Min Credits: 1

76.563 Recording Studio Ensemble

Course ID: 33122
Course Details: This course introduces students to the music-making paradigm of the recording studio. Issues of musicianship and ensemble performance are addressed within the context of creating music recordings. Recording musicians must demonstrate music abilities in a range of spaces from live rooms to sound isolation booths, interacting with other musicians via microphones and headphones, contributing to music played live and previously recorded to a multitrack recorder by musicians at earlier recording sessions, collaborating with music producers and recording engineers. The ensemble includes a core rock/pop rhythm section of drums, electric bass, electric guitar, keyboards, and vocalists. Other musicians are welcome to contribute to the Studio ensemble as repertoire requires. Students will prepare representative recording studio works and original compositions. Students will complete several recordings by the end of the semester.

Max Credits: 1  
Min Credits: 1  

**76.565 Jazz/Rock Big Band**  
Course ID: 7364  
Course Details: Open to all students by audition. Fusion big band covering a wide variety of contemporary jazz rock literature. Solo improvisational opportunities. Numerous performances.  
Max Credits: 1  
Min Credits: 1  

**76.570 Contemp Electronic Ensemble**  
Course ID: 7365  
Course Details:  
Max Credits: 1  
Min Credits: 1  

**76.601 World Music Ensemble**  
Course ID: 7366  
Course Details: An immersion into the music of non-Western cultures, this course will provide instrumental and vocal instruction, as well as an introduction to the theory and cultural contexts that shape the practice of traditional music. The ensemble will meet weekly, with the goal of a public performance at the close of the semester.  
Max Credits: 1  
Min Credits: 1  

**76.602 Graduate Instrumental Ensemble**  
Course ID: 7367  
Course Details:  
Max Credits: 2  
Min Credits: 2  

**76.625 Community Internship**  
Course ID: 35593  
Course Details: This course will provide students with the opportunity to gain real world experience in the administration of a Community Arts organization. Students will be required to undergo 300 hours of work under the direct supervision of the director of a Community Arts organization, in coordination with a University advisor. Students will conduct research into various arts organizations, revise resumes, and draft cover letters under the guidance of the course advisor in preparation for the internship application process. Students will be required to secure the internship pending approval of the course advisor.  
Max Credits: 6  
Min Credits: 6
76.656 Seminar : Choral Literature
Course ID: 7369
Course Details:
Max Credits: 3
Min Credits: 3

77.504 Arts Administration and Marketing
Course ID: 35589
Course Details: This course is designed to provide essential information regarding the structure and strategies for creating and maintaining a sustainable non-profit arts organization. Topics to be covered include; organizational structure; development; production; market research; and promotion.
Max Credits: 3
Min Credits: 3

77.525 Community Outreach Practicum 1
Course ID: 35590
Course Details: The Community Outreach Practicum provides mentorship and initial hands-on training in the educational and arts management skills which will enable the student to build and direct community-based youth music programs.
Max Credits: 1
Min Credits: 1

77.526 Community Outreach Practicum 2
Course ID: 35591
Course Details: The Community Outreach Practicum provides mentorship and initial hands-on training in the educational and arts management skills which will enable the student to build and direct community-based youth music programs.
Max Credits: 1
Min Credits: 1

77.625 Community Internship
Course ID: 35594
Course Details: This course will provide students with the opportunity to gain real world experience in the administration of a Community Arts organization. Students will be required to undergo 300 hours of work under the direct supervision of the director of a Community Arts organization, in coordination with a University advisor. Students will conduct research into various arts organizations, revise resumes, and draft cover letters under the guidance of the course advisor in preparation for the internship application process. Students will be required to secure the internship pending approval of the course advisor.
Max Credits: 6
Min Credits: 6

78.520 Recording Analysis
Course ID: 30835
Course Details: Recognition of the unique dimensions of audio recordings, and evaluation of how they can be crafted to support musical expression. Aural analysis of audio device performance, integrity of audio quality, recording environments, and sound source characteristics. Understanding of the mix as musical interpretation and performance.
Max Credits: 3
Min Credits: 3
78.521 Sound Synthesis 2

Course ID: 7396

Course Details: Advanced sound synthesis techniques are studied and supplemented with sound synthesis studio laboratory work. The course will cover MIDI implementation in analog and digital sound synthesis, the historic origins of computer music and electro-acoustic music, live electronic music performance, audio equipment and applications of MIDI-based and functional devices and processors, advanced music production and sound synthesis via MIDI. Permission of Coordinator and Chair.

Max Credits: 3
Min Credits: 3

78.545 Advanced Mix Techniques

Course ID: 38317

Course Details: This course develops deep technical mastery and advanced aesthetic achievement in the multitrack mixdown phase of sound recording. Key families of effects are covered from first principles and technical basics to advanced applications. Processes are integrated into contemporary production strategies for music, film, game, broadcast, and live mixing.

Max Credits: 3
Min Credits: 3

78.550 Advanced Video Production

Course ID: 32802

Course Details: Extends basic music production skills into the professional sphere. Hands on experience is emphasized. Students are involved with exercises that teach approaches to dramatic lighting, audio-recording skills for challenging environments, specialized camera techniques used in Hollywood productions, and refined editing techniques. After completing several short video presentations, students will produce a multi-tracked production that demonstrates their competency in video and audio recording, sound effects, narration, and refined editing techniques. Prerequisite: 78.350

Max Credits: 3
Min Credits: 3

78.583 Intro Music Technology Applications

Course ID: 30376

Course Details:

Max Credits: 3
Min Credits: 3

78.590 Advanced Acoustics for Audio

Course ID: 32804

Course Details: This course includes measuring, predicting and modifying the acoustic behavior of rooms, instruments, and speaker enclosures, culminating in original student designs. An in-depth study of sound perception will also be included along with the latest research in live sound reinforcement and related technologies. Students must complete an original research project by the end of the term. Prerequisite: 78.630

Max Credits: 3
Min Credits: 3

78.595 Graduate Directed Study in SRT

Course ID: 33472

Course Details:

Max Credits: 3
Min Credits: 3
78.610 Digital Media

Course ID: 32813

Course Details: This course in an in-depth study of the systems and standards that collectively define "digital fusion", the convergence of all known media on a common platform and practice. Text, music, sound, images, and moving pictures are all digital objects that are stored, processed, and transmitted using the same set of technologies. The course examines each of these technologies and their common foundation in contemporary digital computing. The course also examines the impact of digital fusion on the traditional 5-tier media value-chain (producer/publisher/wholesaler/retailer/end user) Prerequisite: 78.630

Max Credits: 3
Min Credits: 3

78.630 Technologies of Audio

Course ID: 30377

Course Details: In-depth study of historical, current, and cutting edge technologies of audio devices, systems, and software; includes performance specifications, design and operational parameters, and interface considerations at all systems levels.

Max Credits: 3
Min Credits: 3

78.640 Production Practicum

Course ID: 32215

Course Details: Experimental and current recording production techniques, and historically significant approaches to recording. Performance of advanced production work including acoustic and electronic sound sources, automated mixdown, stereo and surround mixing, synchronization and MIDI, audio for visuals, multimedia. Studio production work led by lecture/demonstration classes and individual student research.

Max Credits: 3
Min Credits: 3

78.650 Research in Sound Recording Technology

Course ID: 32809

Course Details: An introduction to the knowledge and skills common to research in all areas of music: finding resources, reading and interpreting research, and understanding and applying the principles of objective investigation. The research paradigms of technology and engineering, the humanities, the natural sciences, and the social and behavioral sciences are explored and contrasted. This course consists of a sequence of lectures on the fundamental topics, followed by a series of modules or case studies in specific research areas pertaining to SRT. Each class meeting involves a project or lab for which the student must write a report or research document.

Max Credits: 3
Min Credits: 3

78.660 Seminar in Audio

Course ID: 32836

Course Details: Current topics are explored in a seminar setting requiring student participation and research. Topics selected for in-depth examination might include advanced SRT-related research methods and materials; advanced facility and systems design; experimental technologies and media; experimental production practices or artistic projects; evaluations of recordings; audio industry trends; facility and career management. Prerequisite: 78.630.

Max Credits: 3
Min Credits: 3

78.695 Directed Study and Research in SRT.

Course ID: 33362
Course Details: An in-depth independent study with a member of the Sound Recording Technology faculty. The topic and scope of the study must be approved by the faculty member and the Coordinator of SRT.

Max Credits: 3
Min Credits: 3

**78.740 Masters Recording Project**

Course ID: 32844

Course Details: Planning and execution of a substantial recording project under the supervision of an SRT faculty member.

Max Credits: 6
Min Credits: 6

**78.741 Masters Recording Project A**

Course ID: 38315

Course Details: Planning and execution of a substantial recording project under the supervision of an SRT faculty member. First part of two-course sequence. 78.742 - Masters Recording Project B must subsequently be taken to satisfy masters degree capstone requirement.

Max Credits: 3
Min Credits: 3

**78.742 Masters Recording Project B**

Course ID: 38316

Course Details: Planning and execution of a substantial recording project under the supervision of an SRT faculty member. Second part of two-course sequence to satisfy masters degree capstone requirement.

Max Credits: 3
Min Credits: 3

**78.743 SRT Masters Thesis**

Course ID: 32846

Course Details: The thesis is a scholarly investigation in SRT or an audio-related field resulting in a comprehensive written document. The student must complete acceptable research and defend it before a thesis committee. The choice of a thesis topic and a thesis advisor, the formation of a thesis committee, and the procedures for the preparation of the thesis and its defense are described in detail in the Master's Degree Requirements section of the UMASS Lowell Graduate Catalog. The specific procedures required by the Department of Music are published by the Department and are available in the main office.

Max Credits: 6
Min Credits: 6

**78.744 SRT Masters Thesis A**

Course ID: 38318

Course Details: The thesis is a scholarly investigation in SRT or an audio-related field resulting in a comprehensive written document. The student must complete acceptable research and defend it before a thesis committee. The choice of a thesis topic and a thesis advisor, the formation of a thesis committee, and the procedures for the preparation of the thesis and its defense are described in detail in the Master's Degree Requirements section of the University of Massachusetts Lowell Graduate Catalog. The specific procedures required by the Department of Music are published by the Department and are available in the main office. First part of two-course sequence. 78.745 - SRT Masters Thesis B must subsequently be taken to satisfy masters degree capstone requirement.

Max Credits: 3
Min Credits: 3

**78.745 Continued Graduate Research SRT**
Course Details: The thesis is a scholarly investigation in SRT or an audio-related field resulting in a comprehensive written document. The student must complete research and defend it before a thesis committee. The choice of a thesis topic and a thesis advisor, the formation of a thesis committee, and the procedures for the preparation of the thesis and its defense are described in detail in the Master's Degree Requirements section of the University of Massachusetts Lowell Graduate Catalog. The specific procedures required by the Department of Music are published by the Department and are available in the main office. Second part of two course sequence to satisfy masters degree capstone requirement.

Max Credits: 3
Min Credits: 3

81.595 Immunology Laboratory

Course Details: A series of basic laboratory exercises dealing with the preparation, isolation and characterization of antigens, antibodies and effector cells.

Max Credits: 2
Min Credits: 2

CRIM.501 Criminological Theory: Foundations

Course Details: This course provides a detailed examination of the best known and most influential theories of crime causation. Topics include: theory construction, hypothesis testing, theory integration, and the links among theory, research, and policy.

Max Credits: 3
Min Credits: 3

CRIM.520 Administration of Criminal Justice

Course Details: An examination of the components of the criminal justice system and a review of the administration of federal, state and local criminal justice agencies, including a focus on criminal law and procedure.

Max Credits: 3
Min Credits: 3

CRIM.521 Managing Criminal Justice Organizations

Course Details: A range of criminal justice management issues are addressed, including organizational structure, purpose, rewards and relationships, leadership and management styles, and the development of effective change strategies by criminal justice agencies. The complex role of the criminal justice manager in both the adult and juvenile justice system is emphasized.

Max Credits: 3
Min Credits: 3

CRIM.522 Issues in Policing

Course Details: A series of basic laboratory exercises dealing with the preparation, isolation and characterization of antigens, antibodies and effector cells.
Course Details: An introduction to research on the police, both basic research and applied, evaluative research. Since police discretion was "discovered? in the 1950s, basic research has focused on factors that explain the discretionary use (and abuse) of police authority, and particularly on factors that would signify bias in police decision-making, and also on the mechanisms by which police may be held accountable to the public. Evaluative research, beginning with the Kansas City Preventive Patrol Experiment in the 1970s, has been concerned with estimating the effects of programmatic and tactical innovations on social conditions?such as crime, fear of crime, satisfaction with police services and quality of life.

Max Credits: 3
Min Credits: 3

CRIM.523 Courts and sentencing

Course ID: 37081

Course Details: Examines the various philosophies and theories of punishment and the distinct court structures and approaches to sentencing. Students will explore recent changes in sentencing policies and will study the social and economic costs of incarceration. We will examine sentencing disparities and their appropriateness based on offender and victim characteristics such as race and gender. Explores the debates regarding contemporary sentencing practices and investigates the increasing use of specialized courts and their effectiveness.

Max Credits: 3
Min Credits: 3

CRIM.525 Juvenile Justice and Youth Crime

Course ID: 37082

Course Details: Examines the historical development of juvenile justice in the U.S., how the juvenile justice system operates, the rationale for treating juveniles differently from adults, and the extent of youth crime in the United States according to official statistics and self-report data.

Max Credits: 3
Min Credits: 3

CRIM.526 Economic Crime

Course ID: 35786

Course Details: Introduction to economic crime including nature, causes, consequence, investigation, and prevention. Empirical findings and major economic crime cases will also be examined.

Max Credits: 3
Min Credits: 3

CRIM.540 Criminal Profiling

Course ID: 5440

Course Details: An overview of the development and characteristics of violent offenders, some of whom will evolve to become criminal psychopaths. The class provides an analytical understanding of the unique characteristics of serial criminals and the methodologies used to commit their crimes.

Max Credits: 3
Min Credits: 3

CRIM.541 Forensic Psychology

Course ID: 5441

Course Details: This course applies psychological theories, principles, and research to issues of concern to the criminal justice system with a special focus on the intersection of the mental health and criminal justice systems.

Max Credits: 3
Min Credits: 3
CRIM.570 Crisis and Emergency Management

Course ID: 34637

Course Details: This course will provide a broad introduction to the critical challenges of disaster management. The course will address past and present strategies for reducing and responding to hazards posed by both manmade and natural disasters. Emphasis will be placed on what we can learn from the history of disasters, and on how we can apply those lessons to the management of future events.

Max Credits: 3
Min Credits: 3

CRIM.571 Domestic Terrorism and Hate Crimes

Course ID: 5434

Course Details: This course examines bigotry and hate and how they are manifested in criminal behavior. Various groups who have been labeled as supporting or engaging in domestic terrorism are studied. Focus is placed on federal and state statutory laws and the dynamics of police, court, and corrections based responses to hate crimes and domestic terrorism.

Max Credits: 3
Min Credits: 3

CRIM.572 Terrorism/Counter-Terrorism

Course ID: 5444

Course Details: In order to combat "terrorism" one must be aware of what it is and is not and this course will explore "terrorism" in its totality as it occurred in the past, is occurring in the present, and how it might occur in the future. Various dominant International Terrorist groups are examined relative to their ideology, organizational behavior, and method(s) of operation. There is a heavy emphasis on the impact terrorism has and will have on the criminal justice system relative to investigation.

Max Credits: 3
Min Credits: 3

CRIM.573 Threat Assessment and Risk Management

Course ID: 32166

Course Details: The goal of this course is to enhance understanding and increase expertise regarding risk management and the impact of terrorism on economic and other critical infrastructures in the United States. The course will provide the tools (operational and statistical) and technology required to mitigate these risks. A second purpose of the course is to examine and critically discuss current and future methods to create best practices in security management.

Max Credits: 3
Min Credits: 3

CRIM.574 Overview of Homeland Security

Course ID: 32167

Course Details: The U.S. has embraced the homeland security monolith without a full understanding of what it encompasses. This course provides a comprehensive overview of homeland security and defense as undertaken in the United States since 9/11. The course critically examines the current body of knowledge with a specific focus on understanding security threats, sources, and reasons for these threats. The roles of the key players at the federal, state and local levels, the policies and procedures enacted since 9/11, and the homeland security system in practice are also examined.

Max Credits: 3
Min Credits: 3

CRIM.575 Contemporary Security Studies

Course ID: 36405

Course Details: This course examines the complex nature of key domestic and international security threats and responses. Topics include terrorism and insurgency, transnational organized crime, WMD proliferation, cyber-security, intelligence, national and homeland
security strategies, critical infrastructure protection, and theories of international security.

Max Credits: 3
Min Credits: 3

**CRIM.576 Criminal Justice Intelligence and Information Sharing**

Course ID: 32203

Course Details: A primary function of law enforcement is the gathering of information. However, information by itself does little to support the law enforcement mission. Intelligence, in the context of law enforcement, is the outcome of rigorous analysis of information, and often generates key decisions and/or guides tactical strategies that help facilitate the enforcement mission. This course examines the role of information and intelligence in defining and achieving the law enforcement mission. Problem solving tools such as SARA, and management tools like COMPSTAT, which rely heavily on both information and intelligence, are discussed. In a world now confronted by the threat of terrorism, the course examines the sharing/lack of sharing of information and intelligence among local law enforcement and federal agencies and the impact of this contentious relationship.

Max Credits: 3
Min Credits: 3

**CRIM.578 Intelligence Analysis Policy and Practice**

Course ID: 37085

Course Details: Students will examine the tradecraft of intelligence collection and analysis from various perspectives. Topics will include strategies, tactics, legal and ethical implications, sources, means, methods, limitations, covert action, methods of analysis, and case studies of prominent intelligence successes and failures in the last half century.

Max Credits: 3
Min Credits: 3

**CRIM.583 Master's Thesis - Criminal Justice**

Course ID: 5488

Course Details:
Max Credits: 3
Min Credits: 3

**CRIM.586 Master's Thesis - Criminal Justice**

Course ID: 5489

Course Details:
Max Credits: 6
Min Credits: 6

**CRIM.590 Descriptive & Inferential Statistics**

Course ID: 5455

Course Details: This course is a rigorous introduction to statistical inference: probability theory, confidence intervals, and hypothesis tests. The course also covers regression analysis, which is developed in a non-technical way, with an emphasis on interpretation of regression results, using examples from recent research.

Max Credits: 3
Min Credits: 3

**CRIM.591 Research Design**

Course ID: 5456

Course Details: Research design is a graduate-level introduction to methodology as used in criminology/criminal justice. The course
surveys the research design enterprise and covers a host of issues on the measurement and collection of data, and other procedures that influence whether a research study will lead the investigator to scientifically rigorous information. This course explains various strategies for devising social science studies, compares the relative benefits of various designs, and identifies the tools necessary to conduct studies that will yield data worthy of analysis and interpretation. This material will be valuable for students who will conduct research and administrators who must evaluate the research of others.

Max Credits: 3

Min Credits: 3

**CRIM.601 Criminological Theory Advanced**

Course ID: 37083

Course Details: The course examines contemporary criminological thought by assessing major theories that anchor the discipline of criminology. Also explores the causal structure of these theories, the level of analysis at which they reside, the assumptions that underlie them, their strengths and weaknesses, and their policy implications.

Max Credits: 3

Min Credits: 3

CRIM.602 Nature and Extent of Crime and Criminals

Course ID: 37084

Course Details: Exposes students to the major measurement methods for the incidence of crime and prevalence of criminals. Students will become versed in using data derived from any of the three primary sources of crime statistics: police-based measures (UCR, NIBRS), victim surveys (NCVS), and self-reports of criminal behavior (Monitoring the Future, National Youth Survey).

Max Credits: 3

Min Credits: 3

**CRIM.603 Correlates of Crime and Justice**

Course ID: 37751

Course Details: This course examines the nature of the relationships among attributes and indices at the individual, situational, and aggregate levels to various forms of crime and systems of justice. The implications of criminal laws, criminal justice practices, and programs are examined with a focus on inequalities based on gender and race.

Max Credits: 3

Min Credits: 3

**CRIM.611 Law and Social Control**

Course ID: 37086

Course Details: This course examines and analyzes the various means by which society attempts to control criminal conduct. Social control encompasses both formal and informal mechanisms and a variety of institutions and social processes to deter inappropriate conduct, if possible, and/or punish and reform such conduct. Social control has evolved considerably over time and various social control philosophies and techniques have been prevalent at one time but not in others. Because social control is a response to inappropriate conduct, the course will also provide a brief introduction to the concepts of deviance and crime and the differential social control needs and priorities posed by different kinds of inappropriate conduct.

Max Credits: 3

Min Credits: 3

**CRIM.612 Drugs, Crime and Justice**

Course ID: 37087

Course Details: This course surveys the historical development and contemporary context of the use of criminal sanctions to combat the use of illicit drugs. The relationship between drug use/abuse and crime is explored. The course also provides a policy analysis of the alternative means available to deal with the drugs-crime issue (legalization, decriminalization, interdiction, tougher criminalization).

Max Credits: 3
Min Credits: 3

**CRIM.613 Law and Public Policy**

Course ID: 5454

Course Details: The course is an introduction to crime and the efforts to control crime through public policy. We explore the foundations of the policy-making process at the federal, state, and local levels. The course also considers broad theoretical applications pertaining to public opinion, national culture, and comparative analyses among Western democracies and their differing approaches to crime. This course employs a variety of learning tools, from roundtable discussions to policy cases.

Max Credits: 3

Min Credits: 3

**CRIM.622 Seminar in Policing**

Course ID: 37088

Course Details: This seminar examines the contemporary research literature in policing with a focus on the key research issues. Through a critical examination of the literature, students gain an understanding of the significant topic areas that have been pursued and develop an agenda for further research.

Max Credits: 3

Min Credits: 3

**CRIM.623 Seminar in Courts and Sentencing**

Course ID: 37089

Course Details: This seminar examines the contemporary research literature in adjudication and sentencing with a focus on the key research issues. Through a critical examination of the literature, students gain an understanding of the significant topic areas that have been pursued and develop an agenda for further research.

Max Credits: 3

Min Credits: 3

**CRIM.624 Seminar in Corrections**

Course ID: 37090

Course Details: This seminar examines the contemporary research literature on institutional corrections with a focus on the key research issues. Through a critical examination of the literature, students gain an understanding of the significant topic areas that have been pursued and develop an agenda for further research.

Max Credits: 3

Min Credits: 3

**CRIM.625 Seminar in Juvenile Justice and Youth Crime**

Course ID: 37091

Course Details: This seminar examines the contemporary research literature concerning juvenile justice with a focus on the key research issues. Through a critical examination of the literature, students gain an understanding of the significant topical areas that have been pursued and develop an agenda for further research.

Max Credits: 3

Min Credits: 3

**CRIM.626 Community Based Correction**

Course ID: 5470

Course Details: This course presents a detailed examination of current theory, research, and policy development in the field of community corrections, both nationally and internationally. Topic areas include sentencing, probation, parole, fines, community service, and intermediate sanctions (intensive supervision, house arrest/electronic monitoring, boot camps). Issues include the punishment vs.
control argument, community justice models, special offender populations (drug offenders, sex offenders, mentally ill offenders, AIDS), and the cost effectiveness of community corrections.

Max Credits: 3
Min Credits: 3

CRIM.627 Technology, Crime, and Social Control

Course ID: 37092

Course Details: This course examines the application of new technological advances in the criminal justice system. Topic areas include the new technology of crime commission, and the corresponding new technology of crime control strategies. Our focus will be on the application of both ?hard? technology (e.g. equipment, hardware, devices, etc) and ?soft? technology (e.g. computer software programs, information systems, classification devices, and other problem-solving applications) in each of the following areas: crime prevention, police, courts, institutional corrections, community corrections and the private sector.

Max Credits: 3
Min Credits: 3

CRIM.628 Innovation and Leadership in Criminal justice

Course ID: 37093

Course Details: This course critically examines one of the core concepts of criminology and criminal justice: change— at the individual, group, and organizational levels. There is a ?brief history? of change in police, court, and correctional organizations, focusing primarily on major reform initiatives and change strategies introduced by criminal justice managers over the past fifty years (e.g. in policing— problem-oriented and broken windows policing, in the courts—federal mandatory sentencing and parole abolition, specialized courts, and in corrections—the new techno-prison, privatization of institutional and community corrections, control-oriented community supervision). For each part of the criminal justice system, we examine the major types of change strategies employed by criminal justice managers to implement major reforms: empirical rational, normative re-educative, and power coercive strategies.

Max Credits: 3
Min Credits: 3

CRIM.630 Victimology

Course ID: 5432

Course Details: This course examines the study of crime victims and of the patterns, impact, and formal responses to criminal victimization. Particular attention is given to research issues such as measurement of victimization, fear of crime and related measures, and conducting research with victimized populations, as well as discussion of current issues in the field of Victimology. Substantive topics may include theories of victimization, the overlap between victims and offenders, social-psychological and other impacts of victimization on primary and secondary victims, media coverage of victimization, and evaluation of prevention and intervention programs for victims (criminal justice system based programs and others).

Max Credits: 3
Min Credits: 3

CRIM.631 Intimate Partner Violence

Course ID: 5463

Course Details: An examination of the nature and extent of intimate partner violence and an analysis of the causes and consequences of violence between partners as well as the latest research regarding the criminal justice response.

Max Credits: 3
Min Credits: 3

CRIM.632 Responding to Child Maltreatment

Course ID: 5464

Course Details: Introduction to empirical findings and theoretical perspectives concerned with the maltreatment of children and youth. Includes an examination of prevalence rates, risk factors, consequences, and system responses.

Max Credits: 3
CRIM.640 Criminal Mind and Behavior

Course Details: This course is designed to address a broad range of topics relevant to criminal behavior and the development of the so-called criminal personality. Factors that are considered to influence the evolution of criminal mentality are examined and the laws and the past and current response of the criminal justice system to repeat offenders are explored.

Max Credits: 3
Min Credits: 3

CRIM.641 Mental Health & Criminal Justice

Course Details: The course focuses on how and why individuals with serious mental illness become involved in the criminal justice system, and on how the criminal justice and public mental health systems respond to that involvement. Topics include law enforcement responses, court-based strategies, mental health and corrections, community supervision of individuals with mental illness, violence and mental disorder, and unique challenges associated with female and juvenile populations.

Max Credits: 3
Min Credits: 3

CRIM.642 Sex Crimes and Offenders

Course Details: This course examines the nature of sex offenses as well as the mind of the sex offender, and focuses on motives, possible victims, and rehabilitation. The responses of the mental health and criminal justice systems are examined and the effectiveness of those responses is assessed.

Max Credits: 3
Min Credits: 3

CRIM.650 Violence in America

Course Details: This course provides an in-depth analysis of the causes, context, and control of a wide range of violent crimes. Topics covered in this class include: murder, rape, robbery, assault, and violence in the helping professions, the workplace, school, gang violence, cult violence, and institutional violence. For each form of violence, we examine issues related to (1) the extent of the problem, characteristics of the crime, victim, and offender, (2) causation, (3) crime prevention, and (4) crime control strategies.

Max Credits: 3
Min Credits: 3

CRIM.651 Criminal Homicide

Course Details: A survey of the nature and extent of criminal homicide. There will be five main components: statutory definitions of homicide; theories of homicide; homicide rates over time and across jurisdictions; trends and patterns in homicide characteristics; and cross-cultural comparisons. Homicide is an important topic in criminology for three reasons: (1) it is the crime of greatest severity in any penal code; (2) it is a fairly reliable barometer of all violent crime; and (3) at a national level, no other crime is measured as accurately, precisely, and comprehensively.

Max Credits: 3
Min Credits: 3

CRIM.653 Gangs

Course Details: A survey of the nature and extent of criminal homicide. There will be five main components: statutory definitions of homicide; theories of homicide; homicide rates over time and across jurisdictions; trends and patterns in homicide characteristics; and cross-cultural comparisons. Homicide is an important topic in criminology for three reasons: (1) it is the crime of greatest severity in any penal code; (2) it is a fairly reliable barometer of all violent crime; and (3) at a national level, no other crime is measured as accurately, precisely, and comprehensively.
Course Details: An introduction to the study of gang problems in the U.S. by exploring the nature of gangs, including issues such as defining gangs, types of gangs, female gang involvement, etc. The course also examines theory and methods of understanding gangs and the group process of gangs and investigates the criminal involvement of gangs, focusing on gang members' involvement in extortion, drugs, violence, and other crimes. Also examines programs for social intervention and law enforcement, and policy issues.

Max Credits: 3
Min Credits: 3

CRIM.656 Criminal Careers Foundations

Course ID: 37095

Course Details: This course examines the concept of the "criminal career" by examining the scholarly progression through which this term has evolved. We will investigate three main venues: (1) the research that originated in the early 1900's at the University of Chicago (Shaw and Sutherland); (2) the work of the Gluecks between 1930 and 1957; and (3) the two Philadelphia Birth Cohort Studies. These three research venues are largely responsible for the origin and sustenance of the criminal career paradigm in criminology.

Max Credits: 3
Min Credits: 3

CRIM.657 Criminal Careers Contemporary

Course ID: 37096

Course Details: Examines contemporary research on the "criminal career paradigm" which has dominated criminological research over the past 20 to 25 years. Despite a widely held belief that this area of inquiry has been significant, desirable, worthwhile, etc., there have been a number of polemical publications that have spawned a debate over the yield attained through criminal career research on the one hand, and the value of or necessity for a longitudinal approach to studying criminal behavior on the other. These debates will be examined and the nature of contemporary inquiry into criminal careers will be examined.

Max Credits: 3
Min Credits: 3

CRIM.658 Issues in Computer Crime and Cyber Security

Course ID: 37097

Course Details: This course will examine the history and evolving nature of the relationship between technology, crime, and security, with a particular focus on legitimate and illegitimate Internet commerce, and cyber criminal methodologies and techniques. We will study major issues in cyber security including criminal and state-sponsored hacking; data, intellectual property, and identity theft; financial and personal data security; cyber-terrorism; tools and methods used to exploit computer networks, and strategies to protect against them; and new and emerging technologies. This course will be taught specifically for non-computer science majors, although students with computer science backgrounds are welcome for the experiences that they can bring to the class discussions.

Max Credits: 3
Min Credits: 3

CRIM.662 Global Issues and Human Rights and Justice

Course ID: 37098

Course Details: This course examines the impact of global issues on crime and justice and the intersection of social control and human rights approaches to crime. The course interweaves readings, lectures and discussion of justice and law; security and safety; socio-economic development; and comparative cultures and institutions in an examination of the impact of globalization, migration, labor exploitation, war and transnational agendas on the construction of crime, the development and control of criminal opportunity structures, and legal/justice system responses. It examines the complex interactions between global context, human rights and social control approaches to crime. Topics include human trafficking; children and war; refugees and migration; and transnational crime in a global economy.

Max Credits: 3
Min Credits: 3

CRIM.663 Prisons A Global Perspective

Course ID: 37099
Course Details: This course provides a comprehensive, global assessment of the use/misuse of prisons and jails in North America (U.S. focus), and in other parts of the world, including selected countries in Europe, Asia, Africa, and South America. A broad range of topics are compared among U.S. and global policies and practices. Topics include: (1) who goes to prison and why; (2) sentencing disparity and sentencing reform movements; (3) prison life and prison organization; (4) prison classification; (5) inmate, staff, and management culture; (6) prison violence and disorder; (7) treatment programs; (8) the links between prison culture and community culture; (9) the prospects for offender change; and (10) offender reentry.

Max Credits: 3
Min Credits: 3

CRIM.664 Weapons of Mass Destruction

Course ID: 37100

Course Details: This course explores the threats that weapons of mass destruction (WMD) pose to the U.S. and its interests along with the strategies to meet these threats. The course will examine the technical aspects, history, and contemporary threat of each category of weapon - Chemical, biological, radiological, and nuclear - followed by a critical analysis of U.S. and global efforts to limit access to these weapons and prohibit their production, proliferation and use. The course will also review some aspects of WMD attack response, recovery, and mitigation.

Max Credits: 3
Min Credits: 3

CRIM.665 Global Trafficking and Criminal Networks

Course ID: 37101

Course Details: Illicit economic activities are a global phenomenon with local impact. This course will examine the threat that global trafficking poses to a nation's security, political stability, economic development, and social fabric. The lessons in this advanced graduate-level seminar are organized around the trafficking activities of greatest concern to the United Nations, Interpol, IAEA and other international agencies as well as to the U.S. Departments of State, Defense, Justice, and Homeland Security.

Max Credits: 3
Min Credits: 3

CRIM.666 Terrorist Networks Al Qaida and Affiliated Groups

Course ID: 37102

Course Details: This course will study the history and potential future of the global Al-Qaida movement. Inspirational leaders, strategies, operations, tactics, finances and other key dimensions of this network will be examined in depth. The course will also examine specific vulnerabilities of a decentralized networked organization like Al-Qaida, to include tactical control, strategic authority, dependence on technologies, and transactional integrity.

Max Credits: 3
Min Credits: 3

CRIM.667 Advanced Security Studies

Course ID: 37126

Course Details: This course examines the complex nature of key domestic and international security threats and how nations respond to them. While the traditional focus of security studies has been the phenomenon of war, the past two decades have seen tremendous growth and expansion of the field. Some scholars have studied the threat, use and control of military force, while others have studied various forms of political violence such as terrorism, organized crime, and insurgency or armed rebellion. Research in this field also incorporates scholarship on the politics of defense and foreign policymaking, traditional theories of international relations, comparative analysis of national and regional case studies, ethics and morality of security policies, and transnational issues like arms trafficking, piracy, and the proliferation of materials and technology for weapons of mass destruction. Overall, the study of national and international security has evolved into a complex, interdisciplinary field, as demonstrated on the list of journals and websites provided on the last page of this syllabus. Each lesson in this course draws on a large and diverse body of readings, including academic journal articles, government reports, and original source materials.

Max Credits: 3
Min Credits: 3

CRIM.668 Scientific & Technological Dimensions of National Security
Course ID: 37103

Course Details: In this required course for the MS in Security Studies program, students will take this course to learn all about the efforts in the public and private sector to design new sensors, scanner, and the general role of science and technology in homeland and national security.

Max Credits: 3
Min Credits: 3

CRIM.669 History of Terrorism and Counterterrorism

Course ID: 37105

Course Details: This course will study the history and potential future of the global al-Qaida movement. Inspirational leaders, strategies, operations, tactics, finances and other key dimensions of this network will be examined in depth. The course will also examine specific vulnerabilities of a decentralized networked organization like al-Qaida, to include tactical control, strategic authority, dependence on technologies, and transactional integrity.

Max Credits: 3
Min Credits: 3

CRIM.683 Directed Study

Course ID: 38163

Course Details: This course is designed as an independent study of a subject not offered in the standard curriculum.

Max Credits: 3
Min Credits: 3

CRIM.689 Special topics in Criminal Justice and Criminology

Course ID: 37106

Course Details: Special topics classes are used to address timely issues that do not fit into the regular course offerings.

Max Credits: 3
Min Credits: 3

CRIM.690 Advanced Regression Analysis

Course ID: 37107

Course Details: This course focuses on statistical methods that are useful in the investigation of hypotheses in the social sciences and the analysis of public policies and programs. The bulk of the course is a detailed examination of the bivariate and multiple regression models estimated using Ordinary Least Squares (OLS), with an emphasis on constructing regression models to test social and economic hypotheses. Several special topics in regression analysis are addressed as well, including violations of OLS assumptions and the use of dummy variables, and interaction effects. Throughout, examples are drawn from the literature so students can see the models and methods in action.

Max Credits: 3
Min Credits: 3

CRIM.691 Advanced Research Design

Course ID: 37108

Course Details: This course focuses on measurement and data development strategies and techniques to facilitate effective statistical analysis. Topics include the logic of causal inquiry and inference, the elaboration paradigm and model specification, handling threats to internal validity, hierarchies of design structure (experimental, quasi-experimental and non-experimental), linking design structure to affect estimation strategies, and analyzing design elements in published literature. Students will select a research topic in consultation with the instructor and prepare a written comparative design analysis.

Max Credits: 3
CRIM.692 Qualitative Research Methods

Course ID: 37109

Course Details: This course designed to increase students? knowledge and understanding of the design and process of qualitative research in criminology. The material covered in this course includes the nature and uses of qualitative research; the design of qualitative research; grounded theory and the use of qualitative research to advance new theories and critically evaluate tenants or assumptions of widely held explanations of criminal behavior and justice system functioning; and the ethics of qualitative research. Qualitative research methodologies including ethnography, case studies, participant observation, interviewing, content analysis, and life history narrative / life course analysis will be studied. Students will develop and initiate their own qualitative research and learn first-hand about the conduct of such research, the sequencing of data collection, data analysis, and more data collection. Students will learn the uses of computer assisted software programs designed to assist qualitative data analysis.

Max Credits: 3
Min Credits: 3

CRIM.693 Survey Methods

Course ID: 37110

Course Details: This course exposes students to the use of survey methods in social science research. Emphasis is placed on interview and questionnaire techniques and the construction and sequencing of survey questions as well as the use of Likert and Thurstone scales. Attention is also devoted to sampling theory, sampling designs, and sampling and non-sampling errors.

Max Credits: 3
Min Credits: 3

CRIM.694 Crime Analysis and Mapping

Course ID: 5460

Course Details: This course examines the use of new technologies to analyze crime patterns and develop crime prevention strategies. Students study theories that explain the geographic distribution of crime and learn how to use Geographic Information Systems to study crime in ways that draw upon theory as well as how to apply GIS techniques in the law enforcement and corrections fields.

Max Credits: 3
Min Credits: 3

CRIM.695 Program Evaluation Methods

Course ID: 38183

Course Details: An examination of the methods and techniques of evaluation research. Evaluation research includes the issues that characterize the generic research enterprise. In addition to the usual research concerns and problems, evaluation research must also address problems that are unique to determining whether a program, treatment, law, or policy, has had the desired effect when implemented in practice. This task is especially problematic with social policy contexts. The agenda for the course has two main components. First, the course will concern the structural features of designing and conducting a program evaluation. The second component will be an analysis of actual program evaluations in the literature.

Max Credits: 3
Min Credits: 3

CRIM.697 Security Studies Project Design and Defense

Course ID: 37111

Course Details: Under faculty supervision, students in the MS in Security Studies program will design a science or technology-related project that demonstrates mastery in a subject relevant to security. Examples could include chemical or biological sensors, computer firewall intrusion detection system, baggage scanners, signals interception device, etc.
CRIM.698 Security Studies Capstone 1 Data Collection and Analysis

Course ID: 37112

Course Details: This course is the first of a 2-part culminating capstone experience for students in the MA in Security Studies program at UMass Lowell. Incorporating the tools learned in 44.591: Research Design and Methods, students are required to design a research question, gather and analyze information, and write a Master's level research paper of at least 50 pages on a topic of their choosing related to security studies. The design of the 2-course capstone sequence emphasizes independent research and writing, thus required class periods are kept to a minimum.

Max Credits: 3
Min Credits: 3

CRIM.699 Security Studies Capstone 2 Writing and Presentation

Course ID: 37113

Course Details: This course is the second of a 2-part culminating capstone experience for students in the MA in Security Studies program at UMass Lowell. Incorporating the tools learned in 44.591: Research Design and Methods, students are required to design a research question, gather and analyze information, and write a Master's level research paper of at least 50 pages on a topic of their choosing related to security studies. In this second course of the sequence, students will prepare drafts of their paper for review by their faculty mentor, and at the end of the semester will give a presentation (graded), open to the community, on their research.

Max Credits: 3
Min Credits: 3

CRIM.701 Dissertation Seminar I

Course ID: 37114

Course Details: This is the first part of a two-semester sequence in which students develop a plan and a template for the conduct of the various stages of the doctoral dissertation. Topics include: theoretical foundations, hypothesis development, sampling design, construct measurement, data collection, and analysis of quantitative or qualitative data.

Max Credits: 3
Min Credits: 3

CRIM.702 Dissertation Seminar II

Course ID: 37115

Course Details: This is the second part of a two-semester sequence in which students develop a plan and a template for the conduct of the various stages of the doctoral dissertation. Topics include: theoretical foundations, hypothesis development, sampling design, construct measurement, data collection, and analysis of quantitative or qualitative data.

Max Credits: 3
Min Credits: 3

CRIM.703 Dissertation supervision

Course ID: 37116

Course Details: At the dissertation stage of doctoral study, students register for 3, 6, or 9 credits of direct supervision with their dissertation advisor.

Max Credits: 3
Min Credits: 3

CRIM.706 Dissertation Supervision

Course ID: 37117

Course Details: At the dissertation stage of doctoral study, students register for 3, 6, or 9 credits of direct supervision with their dissertation advisor.

Max Credits: 6
CRIM.709 Dissertation Supervision

Course ID: 37119

Course Details: At the dissertation stage of doctoral study, students register for 3, 6, or 9 credits of direct supervision with their dissertation advisor.

Max Credits: 9
Min Credits: 6

CRIM.790 Categorical and Limited Dependent Variables

Course ID: 37120

Course Details: The estimation of empirical models is essential to public policy analysis and social science research. Ordinary Least Squares (OLS) regression analysis is the most frequently used empirical model, and is appropriate for analyzing continuous dependent variables that meet certain distributional assumptions. This course examines several types of advanced regression models for dependent variables that violate one or more of the assumptions of the OLS regression model. For example, some dependent variables may be categorical, such as pregnant or not, employed or not, etc. Other dependent variables may be truncated or censored, such as contributions to an individual retirement account that are limited by law to certain dollar amounts. Still others may be counts of things, like the number of children born to a given woman or the number of traffic accidents on a given day. The principal models examined in the course are binary logit and probit, multinomial logit, ordinal logit and probit, tobit, and the family of Poisson regression models. The Heckman correction for selection and Event History Analysis are also addressed. All these models are estimated using maximum likelihood estimation (MLE). The course focuses on the application and interpretation of the models, rather than statistical theory.

Max Credits: 3
Min Credits: 3

CRIM.791 Structural Equation Modeling

Course ID: 37121

Course Details: This course is an introduction to structural equation modeling (SEM). SEM represents a general approach to the statistical examination of the fit of a theoretical model to empirical data. Topics include observed variable (path) analysis, latent variable models (e.g., confirmatory factor analysis), and latent variable SEM analyses.

Max Credits: 3
Min Credits: 3

CRIM.792 Survival Analysis and Longitudinal Data

Course ID: 37122

Course Details: Criminological research often involves the study of change over time in both individuals and groups. Analyzing such over time poses a number of methodological and statistical challenges, however, and these must be addressed to derive valid inferences from data analysis. This course will examine several techniques that are appropriate for such analyses. These include the family of univariate, bivariate and multivariate techniques collectively known as ?survival? or ?event history analysis? that are appropriate for studying processes such as recidivism and length of time individuals spend in various programs. The course will also describe zero-inflated Poisson trajectory and latent growth curve models, as well as multilevel models for change. Emphasis will be on application as opposed to theory.

Max Credits: 3
Min Credits: 3

CRIM.793 Data Reduction and Factor Analysis

Course ID: 37123

Course Details: Criminologists are often confronted with datasets containing numerous variables resulting from surveys and archival data extraction. It is advantageous to reduce the number of variables while still maintaining the integrity of the measurement of crucial concepts. Factor analysis is a valuable statistical technique for reducing the number of variables and detecting possible underlying structure(s) in the relationships among variables. This course will examine major factor analytic techniques such as Exploratory Factor Analysis (EFA) and Confirmatory Factor Analysis (CFA) designed to find underlying unobservable (latent) variables that are reflected in the observed variables or manifest variables. In addition the course will examine the various factor rotation procedures commonly used
to ensure that the derived factors or dimensions are orthogonal and do not either introduce multi-collinearity problems or exacerbate collinearity issues already present in the data.

Max Credits: 3
Min Credits: 3

**GLS.701 Global Studies I**

Course ID: 37340

Course Details: The focus of this course is the intersection of theory and practice in Global Studies. Students will be acquainted with the three fields of study that structure the Ph.D. Global Studies curriculum: Comparative Cultures, Security and Human Rights, and Socio-Economic Development and the interdependence of these fields.

Max Credits: 3
Min Credits: 3

**GLS.702 Global Studies II**

Course ID: 37350

Course Details: This course elaborates on the topics introduced in GLS 701 Global Studies I. It familiarizes students with specific knowledge competencies in the three fields of study that structure the Ph.D. Global Studies curriculum: Comparative Cultures, Security and Human Rights, and Socio-Economic Development and the interdependence of these fields. Emphasis includes geography, history, economics, and cultural studies.

Max Credits: 3
Min Credits: 3

**GLS.703 Global Research and Data Analysis**

Course ID: 37349

Course Details: This course is designed to cultivate and further develop students' understanding and skills in research methods and data analysis as they become practitioners of qualitative and quantitative research addressing a range of global studies issues and problems. Through the use of applied analysis projects students will explore multiple methods of data analysis, critique and evaluate existing research studies and reports, and develop skills in critical thinking.

Max Credits: 3
Min Credits: 3

**GLS.711 The World of Things: Consumer Culture in Historical Perspective.**

Course ID: 37348

Course Details: This course examines the emergence and historical impact of consumer cultures in the modern world, for the mid-nineteenth century through the present. Focusing mainly on the cases of France, the United States and Japan, it will trace the broad shift from elite luxury consumption to popular, and eventually global consumer culture over this period.

Max Credits: 3
Min Credits: 3

**GLS.712 Media and Global Culture**

Course ID: 37347

Course Details: in this course students will examine the development and increasing interrelatedness of the media industries from the early twentieth century to the present and the range of theoretical and critical approaches taken toward media industries. The emerging field of "Media industry studies" that emphasizes the importance of integrating analysis of media structures with consideration of cultural, global and textual matters will be explored.

Max Credits: 3
Min Credits: 3

**GLS.713 Seminar on Global Trafficking.**
Course ID: 37346
Course Details: This course will examine the threat that global trafficking poses to a nation's security, political stability, economic development, and social fabric. Illicit economic activities are a global phenomenon with local impact.
Max Credits: 3
Min Credits: 3

GLS.714 Globalization, Feminism, and Liberalism
Course ID: 37345
Course Details: This course provides students with opportunities to gain an understanding of the issues necessary to consider whether, and to what extent, liberalism and feminism are compatible in a global context. The importance of critical thinking and communication are emphasized.
Max Credits: 3
Min Credits: 3

GLS.715 International Migration in the Global World
Course ID: 37344
Course Details: This course offers a holistic view of the migration process from multiple disciplinary perspectives with multiple levels of analysis and aspects of the world. The course further reflects the need to examine migration as a general social process as well as a personal/individual experience that can be both liberating and limiting.
Max Credits: 3
Min Credits: 3

GLS.716 Advanced Seminar in Global History, Politics and Theory
Course ID: 37343
Course Details: This seminar provides an overview of the history, politics and theories that underpin Global Studies. Particular emphasis is on identifying the main points of debate and contrasting research traditions within the field, developing the critical analytic skills necessary to evaluate the contrasting arguments made within the field, and grounding individual empirical interests within the context of the broader theoretical and methodological issues.
Max Credits: 0
Min Credits: 0

GLS.717 Developing Economies
Course ID: 37342
Course Details: The emphasis of this course is an examination of globalization and whether it can be made a human-centered process, to historically examine the interrelatedness of the world economy to determine how policies shaped by industrialized countries impact developing countries, and to define key terms including poverty, sustainable development, market, informal economy, and civil society.
Max Credits: 3
Min Credits: 3

GLS.720 Special Topics Seminar in Comparative Cultures
Course ID: 37341
Course Details: This special topics seminar engages students in humanistic and artistic approaches to cultural inquiry. An awareness and understanding of cultures, especially through literature, language, media and the arts are viewed as essential to a holistic understanding of global systems. This seminar applies techniques of intercultural inquiry at the intersection of culture, creativity, and technology through applied fieldwork projects.
Max Credits: 3
Min Credits: 3
GLS.791 Global Studies Directed Studies
Course ID: 38488
Course Details: Global Studies Directed Studies
Max Credits: 3
Min Credits: 3

PCS.501 Strategies of Conflict Transformation
Course ID: 36946
Course Details: This course will examine the underlying connections between causes of conflict on the local, national and global levels and the processes that advance peaceful resolution. The course is designed to provide a cross-disciplinary approach to the relevant social, political, economic and cultural conditions leading to conflict and the variety of approaches to solve such conflict through both violent and nonviolent means. The beginning of the course will focus on issues of power and inequality related to class, race (and related divisions of ethnicity, religion, caste, nationality, immigration status) and gender. We will look at structures and system of power ranging from the family, to the community, the workplace and the national and international dimensions. The goal is to link theoretical analysis with the study of practical problem solving.
Max Credits: 3
Min Credits: 3

PCS.502 Seminar in Peace and Conflict Studies
Course ID: 37460
Course Details: Offered from time to time to highlight specialized areas of faculty interest and to acquaint the student with new developments from a broad range of theory and research and how these developments might affect the field of Peace and Conflict Studies.
Max Credits: 3
Min Credits: 3

PCS.512 Community Conflict Resolution
Course ID: 6190
Course Details: This course gives students an understanding of the main issues and solutions involved in community level conflict resolution; e.g., in neighborhoods, workplaces, and other institutions. It develops students' skills in practicing conflict resolution and/or evaluating programs in the field of dispute resolution. It is important to understand why conflict happens and how to resolve conflict.
Max Credits: 3
Min Credits: 3

PCS.523 Everyday Peace: Community-based Approaches to Peace and Peacebuilding
Course ID: 38106
Course Details: This course will introduce students to a range of issues in community-based approaches to everyday conflict and peacebuilding. Premised on the idea that peace cannot be understood or studied in isolation of other social processes, the course will allow students to collectively engage with key conceptual, methodological and praxis related issues in peacebuilding drawing from community-based and critical perspectives in the social sciences, we will focus on developing the notion of 'everyday peace', that is, building community capacities and promoting social justice as an antidote to the normalized and endemic violence in society. The course will critically examine relevant empirical literature as well as ongoing peace initiatives that utilize community-based approaches.
Max Credits: 3
Min Credits: 3

PCS.525 Gender, Work and Peace
Course ID: 37367
Course Details: “Gender, Work and Peace” will explore the relationship between human rights, gender and nonviolence in the 21st century. We will examine how current and future reality can be shaped by related policies, specifically those on the micro and macro level concerned with gender. Today we live in a period of global transition comparable to the period that followed the Industrial Revolution. It presents us with enormous challenges and opportunities regarding factors we will address in class: economic globalization, government restructuring, work-family balancing, environmental safety at work, gender inequalities and the connection between human rights and dignity at work.

Max Credits: 3
Min Credits: 3

PCS.527 Sustainable Housing Development and Land Use: Conflict, Policy, and Practice

Course ID: 37781

Course Details: Housing is fundamental to the quality of life in communities, and housing conflict, policy and practice shape the availability of this fundamental good. This course will examine the economic, environmental, social, and cultural factors that shape housing and its sustainability. The contentious nature of housing and land use policy in the United States will be summarized, with students learning how housing policy impacts communities, states, and regions. The course will then give students a detailed understanding of the conflictive process through which housing is developed and the role the market, government, funders, workers, and housing consumers play in influencing the creation and development of housing. The course will highlight ways in which current housing development policy and practices are not sustainable, and will examine more recent efforts to establish standards and practices that enhance consensus and sustainability. Students will learn how to manage conflict and take a housing project through the various stages, such as project conceptualization, market analysis, design, site acquisition, financing, construction, and occupancy. While the course focuses on the U.S. context, students will learn of international efforts to achieve greater sustainability in housing. The course will provide students with both practical and theoretical knowledge of housing and land use conflict, policy and development practices. Case studies of actual projects will be presented.

Max Credits: 3
Min Credits: 3

PCS.539 Bridging Minds for Peace: Interfaith Perspectives and The Universal Moral System

Course ID: 38122

Course Details: There has been a consensus among the intellectuals and followers of religions that one of the major reasons for the accumulating political, economical, and environmental crises in the Middle East and around world is the absence of a grand vision that can guide the future and inspire humanity to create peace everywhere. The core premises of this theory are: Without peace among religions, there is no peace among nations; Without dialogue among religions, there is no peace among religions; Without a universal moral system, there is no dialogue among religions; A new model of international relations based on a set of morals universally accepted, can help human race to live in peace and justice; and the major religions have the set of morals that can be universally accepted by all, even the non-religious. This course will examine the possibilities and obstacles to bridging the religious divide through a universal, interfaith moral code.

Max Credits: 3
Min Credits: 3

PCS.544 Advanced Research Methods

Course ID: 37360

Course Details: The purpose of this course is to introduce students to the fundamentals of research while also conveying the need for skepticism as the foundation of scientific inquiry. Both quantitative and qualitative methods will be examined. Students will gain first-hand knowledge of the research process by formulating their own research questions, locating current literature to frame their topic, developing causal theories and then empirically testing these theories. With that in mind, the first goal of this course is for students to become critical consumers of research in general and peace and conflict research in particular. The second goal is for students to develop theories about peace and conflict and research designs to test those theories. Students are encouraged to use this course to develop their thesis or projects.

Max Credits: 3
Min Credits: 3

PCS.545 Politics of Repression and Dissent
Course ID: 36722

Course Details: A focus on the dark side of politics - political repression, including politically motivated imprisonment, torture, murder, and disappearance- and the struggle of critics to bring about change through non-violent and violent demonstrations, general strikes and armed resistance.

Max Credits: 3
Min Credits: 3

PCS.550 Integrative Seminar in Peace and Conflict Studies I

Course ID: 36947

Course Details: The purpose of the integrative seminar is to assist students in developing a robust and mature understanding of the three PCS core questions as they relate to PCS coursework within and across the three Professional Options. With a strong evidence focus, students identify patterns, principles, questions, and dilemmas relevant to the core questions that emerge from multiple courses they have taken within the Professional options. Students develop a reflective journal, a series of essays, a portfolio of their accumulated work, and a culminating portfolio presentation. The course consists of six 2-hour sessions each semester for two semesters.

Max Credits: 0
Min Credits: 0

PCS.553 Integrative Seminar in Peace and Conflict Studies

Course ID: 37444

Course Details: The purpose of the integrative seminar is to assist students in developing a robust and mature understanding of the three PCS core questions as they relate to PCS coursework. With a strong evidence focus, students identify patterns, principles, questions, and dilemmas relevant to the core questions that emerge from multiple courses they have taken within the PCS program. Students develop a reflective journal, a series of essays, a portfolio of their accumulated work, and a culminating portfolio presentation.

Max Credits: 3
Min Credits: 3

PCS.555 Mediation: Theory and Practice

Course ID: 38199

Course Details: Mediation is a form of dispute resolution in which a neutral person helps two or more parties discuss their conflict, explore wants and needs, generate options, and reach an agreement. Mediation has become more prevalent over the past few decades in the courts, community-setting, and schools because it empowers the disputing parties to reach a resolution that works for them. This course introduces mediation in the context of other forms of alternative dispute resolution, teaches the principles and theory behind mediation, and trains students in the fundamentals of the mediation process. Interactive exercises and mediation role-plays will be used to provide experiential practice. Upon completion of the course, students will be connected to opportunities to practice mediation in the local courts or with community organizations.

Max Credits: 3
Min Credits: 3

PCS.558 Peace and Conflict Field Experience

Course ID: 37366

Course Details: A program of practical experience in the field of Peace and Conflict. Students can work in a variety of areas related to Peace and Conflict Studies. Students meet regularly as a class on campus with the designated instructor to discuss their experiences and to learn more about the settings in which they practice and the challenges that they confront.

Max Credits: 3
Min Credits: 3

PCS.591 Directed Study in Peace and Conflict Studies

Course ID: 37311

Course Details: Through frequent consultation with the instructor, the student carries out the investigation of a particularly specialized area of interest. This course may be repeated for up to a total of 6 credits.
Max Credits: 3
Min Credits: 3

PCS.601 Peace and Conflict Studies Study Abroad I
Course ID: 37312
Course Details: Graduate study abroad in an institution with a University-approved Graduate-level exchange program. The specific course to be taken will be approved by the Graduate Coordinator.
Max Credits: 3
Min Credits: 3

PCS.602 Peace and Conflict Studies Study Abroad II
Course ID: 37313
Course Details: Graduate study abroad in an institution with a University-approved Graduate-level exchange program. The specific course to be taken will be approved by the Graduate Coordinator.
Max Credits: 3
Min Credits: 3

PCS.603 Peace and Conflict Studies Study Abroad III
Course ID: 37314
Course Details: Graduate study abroad in an institution with a University-approved Graduate-level exchange program. The specific course to be taken will be approved by the Graduate Coordinator.
Max Credits: 3
Min Credits: 3

PCS.631 Practicum in Peace and Conflict studies I
Course ID: 37315
Course Details: The practicum allows students to intern at an organization related to the field of Peace and Conflict studies. The primary purpose of the Practicum is two-fold: 1) to allow students to apply, integrate, and evaluate the information and skills they have acquired in their masters-level academic course work; 2) to gain new understandings and competencies while contributing to a field setting. Students participate in placements for approximately 10 hours per week.
Max Credits: 3
Min Credits: 3

PCS.632 Practicum in Peace and Conflict Studies II
Course ID: 37316
Course Details: The practicum allows students to intern at an organization related to the field of Peace and Conflict Studies. The primary purpose of the Practicum is two-fold: 1) to allow students to apply, integrate, and evaluate the information and skills they have acquired in their masters-level academic course work; 2) to gain new understandings and competencies while contributing to a field setting. Students participate in placements for approximately 10 hours per week.
Max Credits: 3
Min Credits: 3

PCS.733 Project in Peace and Conflict Studies I
Course ID: 37317
Course Details: The project will consist of a scholarly investigation, such as a review, report, synthesis or design in the student's field resulting in a written document.
Max Credits: 3
Min Credits: 3

**PCS.734 Project in Peace and Conflict Studies II**

Course ID: 37318

Course Details: For a student who wants to complete a 2-semester project. The project will consist of a scholarly investigation, such as a review, report, synthesis or design in the student's field resulting in a written document.

Max Credits: 3
Min Credits: 3

**PCS.743 Master’s Thesis in Peace and Conflict Studies**

Course ID: 37319

Course Details: For graduate student actively engaged in research leading toward the submission of written thesis. A program of supervised study will be arranged between student and a faculty supervisor. This course may be repeated for credit, but only a total of 6 credits may be counted toward the Master's Degree.

Max Credits: 3
Min Credits: 3

**PCS.746 Masters Thesis in Peace and Conflict Studies**

Course ID: 37320

Course Details: For graduate students actively engaged in research leading toward the submission of a written thesis. A program of supervised study will be arranged between the student and a faculty supervisor.

Max Credits: 6
Min Credits: 6

**Pre-Law Advising and Programs**

Law schools do not require any particular undergraduate degree or program when admitting students. The American Bar Association, in fact, recommends that students prepare for law school by taking a variety of courses in the social sciences and humanities, and even the sciences and mathematics. Students, of course, can take courses in law-related subjects as part of their overall general education, but law schools do not give it any additional weight. Law schools do, however, give weight to students who challenge themselves with difficult curriculum choices. Students interested in law school following graduation from the University should consult with one of the University pre-law advisors. Dr. Francis Talty, Assistant Dean in the College of Fine arts, Humanities and Social Sciences, serves as principal Pre-law Advisor for the University of Massachusetts Lowell (francis_talty@uml.edu). Legal Studies lecturer Walter Toomey, also serves as a pre-law advisor (walter_toomey@uml.edu). A student run Pre-law Society provides a extracurricular activity for students interested in the law. The Pre-law Society conducts information sessions, forums on various aspects of the law and legal occupations as well as sponsoring the UMass Lowell Mock Trial Team which competes in the American Mock Trial Association tournament each winter and a number of other invitational tournaments.

**Medical/Dental School Requirements**

The Council and Association of American Medical Colleges have established minimum requirements for admission to an approved medical school. These include general and organic chemistry, biology, physics, and mathematics. These are minimums and many medical colleges require course work beyond the minimum. For this reason, it is imperative that a pre-medical student plan his or her college program in close consultation with the faculty advisor for pre-medical students. The advisor for pre-medical students is located in the Department of Biological Sciences, Olsen Hall 604.

Most medical and dental schools prefer a broad, liberal education in addition to specific course requirements. They do not advocate a particular major or majors and the field of concentration is not a determining factor in admission as long as the specified course requirements are met. Many pre-medical students will major in biology or chemistry, but a major in the areas of humanities and social sciences allows sufficient electives to meet the requirements of most schools. Medical and dental schools require an aptitude examination, which is ordinarily taken in the spring semester of the junior year.

**Teaching Careers**

The Department of Music offers an undergraduate concentration in music studies for teacher preparation and the degree of Master of
Music in Teaching, leading to initial licensure for teaching music in the Massachusetts public schools. More information about this program is available from Dr. Gena Greher or Dr. Alex Ruthmann in the Department of Music.

For those students interested in teaching subjects other than music, the Graduate School of Education offers graduate degree programs designed to prepare elementary and secondary school teachers. These programs provide the course work and the apprentice teaching experience required for initial licensure in Massachusetts and in many other states. See the School of Criminology & Justice Studies website, or the Office of the Dean, Graduate School of Education, for programs and the requirements for admission.

Policies

To qualify for university degrees, baccalaureate candidates are required to obtain a 2.00 (C) average in their total course of study (the School of Criminology & Justice Studies requires a 2.2 cumulative average overall and a 2.5 average in criminal justice courses); to complete a minimum of 120 semester credits; to fulfill the minimum residency requirement designated for University day courses and for each major; to satisfy the regulations and academic standards of the colleges that exercise jurisdiction over the degrees for which they are matriculating; to complete all curriculum requirements and minimum averages in majors specified by the college in which they are enrolled and department(s) in which they are majoring; and to complete the University general education requirements.

Second Majors and Minors

Options for second majors and minor studies are permitted as specified below:

1. Students may elect a second major that is offered by the College of Fine Arts, Humanities & Social Sciences or, upon approval of the Dean, they may elect a second major that is offered by other colleges of the University. An English major may not declare a second major in American Studies, and an American Studies major may not choose a second major in English, history, political science, or sociology.

2. Students who elect academic majors in more than one college are candidates for one degree only, and they are considered to be degree candidates in the college of their initial major unless they indicate to the contrary at the time they make a declaration of second major by filing for intercollegiate transfer. Accordingly, a student who pursues academic majors in the College of Fine Arts, Humanities & Social Sciences and another college is subject to all degree requirements as specified by the college of his or her initial major and is subject only to major course requirements (including any collateral and prerequisite courses for the major) as specified by the department of his or her second major. For a full discussion of University requirements concerning second majors, students should consult the relevant section of this publication, which appears under the heading.

3. In accordance with the requirements of established minor programs, students who matriculate for degrees in the College of Fine Arts, Humanities & Social Sciences may undertake a minor from those areas cited below that are distinct from the disciplines comprising their majors. The curriculum committee of the College will from time to time review and, when appropriate, approve new minors in addition to those listed below. Students should consult with their advisors concerning additions to the approved listing of minors. Specific options for minor programs will depend on the major field that a student has elected to pursue and the collateral course requirements that have been specified by their major departments. Students are advised that an aggregation of courses that total 18 or more credits does not constitute a minor area and they are referred to University policies, which appear elsewhere in this publication under the heading for further discussion. Students who wish to elect a minor program in colleges other than the College of Fine Arts, Humanities & Social Sciences should refer to the appropriate section of this publication concerning prerequisites, restrictions, and prescribed sequences of courses.

4. With the approval of their faculty advisors, matriculating students in the College of Fine Arts, Humanities & Social Sciences may develop programs of elective courses for the purpose of providing greater personal and professional relevance to their major fields. Such programs may be developed from among those disciplines that are listed above as areas in which elective courses may be authorized for matriculating students of the College of Fine Arts, Humanities & Social Sciences.

5. Matriculating students in the College of Fine Arts, Humanities & Social Sciences who do not choose to take a second major or a minor must present at least six semester credits in courses that are on or above the 300 level among those elective courses offered in fulfillment of collateral degree requirements. These courses may not be taken on a pass/fail basis.

Declaring and Changing Major

Students who are matriculating for degrees in the College of Fine Arts, Humanities & Social Sciences are required to designate degree majors in the college. Although the College of Fine Arts, Humanities & Social Sciences does not require students pursuing the Bachelor of Arts degree in the humanities and social sciences to declare their major fields until the end of their sophomore year, students who are admitted to Fine Arts programs are advised to declare their major fields during their freshman year and are required to make such declaration at the end of the sophomore year. Students should consult policies listed elsewhere in this publication under the heading for
Transfer Policies

Students transferring to the College of Fine Arts, Humanities & Social Sciences from other colleges of the University or from other institutions may expect recognition of previously completed college level courses that are applicable to the degree requirements of the college. Courses of a professional nature that are not relevant to the academic orientation of the student’s major program may not be credited to the minimum degree requirement of 120 credits, and, regardless of any previous recognition by the Office of Admissions or by other colleges of the University, they may not be credited to degree requirements in the College of Fine Arts, Humanities & Social Sciences. Students wishing to transfer to Bachelor of Music programs are required to demonstrate their vocal or instrumental ability during an audition before the music faculty and are required to complete placement testing in music theory.

Courses from Other Institutions

The Office of Admissions initially evaluates courses that are transferred from other institutions when a student is admitted to the University. Courses are evaluated by major departments in terms of college and program requirements. Courses that are transferred to the University under provisions of the Commonwealth Transfer Compact and that are not creditable to requirements of the College of Fine Arts, Humanities & Social Sciences or as unrestricted elective courses will be listed on the student’s permanent record but will not apply to the minimum degree requirements. In the event that a student who has transferred to the University subsequently makes an intercollegiate transfer to the College of Fine Arts, Humanities & Social Sciences, all previously completed courses, including transferred courses from other institutions, will be reevaluated in terms of their applicability to degree requirements of the College of Fine Arts, Humanities & Social Sciences.

Repetition of Transfer Courses

A student who has been granted transfer credit, and on this basis has been assigned to advanced courses for which the transferred course is a prerequisite, may be advised to repeat such transferred work at the University or to take a more elementary course than that which has been transferred when the competence of the student has been demonstrably inadequate. Permission to repeat the transferred course is granted by filing an academic petition form through the office of the college dean. Since credit may not be granted more than once for the completion of any course, a condition for filing such a petition is the simultaneous filing of a request to revoke recognition of the previously transferred course.

Intercollegiate Transfer to the College of Fine Arts, Humanities & Social Sciences

Students wishing to transfer from another college of the University or from baccalaureate continuing education programs of the evening school must file an academic petition, together with a transcript, with the appropriate chairperson and the Dean of Fine Arts, Humanities and Social Sciences by November 1 for spring semester transfer and by April 1 for fall semester transfer. Students are referred to University policies concerning intercollegiate transfers, which appear elsewhere in this publication under the heading for further procedural details. Records of students who are approved for transfer are reviewed by the Office of the Deans of the College of Fine Arts, Humanities & Social Sciences and, irrespective of grades previously received in other college programs, all courses that may not be applied to college or program requirements are deleted from the student’s cumulative grade-point average.

Pre-Professional Training

The curricula for the Bachelor of Arts and the Bachelor of Science degrees do not prescribe patterns of courses for specific vocational goals. The students in these programs receive a broad general education in the liberal arts and sciences that will prepare them for further study in professional fields at the graduate level. Students planning to enter professional fields should seek the advice of faculty advisors in the area in which they are interested, as listed below.

General Policies

Registration for Art Courses

The Art & Design department reserves the right to pre-register its major students in order to assure completion of their degree requirements. In the event of over-subscription of art courses by art majors, the department will grant first preference to seniors and second preference to juniors. During the two week designated advising period each semester, advisors are available for career advising and assisting in course selection.

Attendance and Personal Conduct

Studio art courses consist of lectures, demonstrations and critiques. Because of the complex nature of these courses, students are expected to attend all scheduled classes and be on time. Excessive absences may cause failure of the course or a lower grade. The study of art provides an environment for creativity and artistic freedom. However, students enrolled in the BFA program will be expected to conduct themselves in a professional and academic manner.

Art Studios and Computer Labs Policy

For insurance coverage and safety reasons, the art studios and computer labs are to be used solely by students enrolled in classes in the Art & Design department. Studio and lab monitors will check students’ IDs after hours.
Policy Concerning Student Work

The Art & Design department reserves the right to keep student work for a period of time not to exceed one year for inclusion in exhibitions. The department reserves the right either to photograph student work or, in the case of photography, printmaking, computer art and digital media where many copies can be made, to keep actual examples of work. Unless otherwise specified, artwork and term papers left past the deadline set by the Studio Manager following the semester in which they were completed, will be discarded.

Senior Studio students are required to submit visual documentation of their coursework; this documentation becomes part of their department records. Students who do not meet this requirement will receive an incomplete grade.

Academic Integrity

Students should be aware of the issues of creative honesty and of the prohibition against unwarranted use of the work of others, of the dishonesty of misrepresenting the source of work and ideas, and the penalties established by the university for cheating and plagiarism. The department expects that work passed in by the student will be the product of the student's own effort. Particulars of the university policy on academic dishonesty can be found in the section of the university catalog.

Equipment Care and Replacement Repair

The Art & Design department provides equipment for student use. Students are responsible for replacement costs of any items that they lose or damage in the course of their studies. In most cases, students are responsible for materials and expendable supplies required by their studio courses.

Portfolio Admission Requirements

Undergraduate application to the Art and Design Department at the University of Massachusetts Lowell is a two-part process. Incoming applicants need to:

1. submit an application to
2. submit a portfolio directly to the Art and Design Department via Slideroom.com

Academic records are reviewed by the Admissions Office. This is followed by the Art and Design Department's review of portfolios.

Applicants who do not have a portfolio

The Art and Design department's goal is to train any student accepted at UMass Lowell. If you are interested in becoming an Art major but do not have a portfolio or if your portfolio is not accepted by the review committee, you can take Drawing I and Art Concepts I. These courses will prepare you for the portfolio application. Should you decide that your strength is in a different field, these courses will count toward general education (Arts and Humanities) for non-art majors.

For more information visit the Art and Design website.