Art and Design
ARGS 260 31 Visual Art Workshop: Workshop in Photography/Sandy Hook/National Park Service
This collaborative workshop in documentary/interpretive photography is between the National Park Service/Gateway National Park and MSU/Art and Design department. The work produced will concentrate on documentation of the sites and will be shared (pro bono) with the NPS/Sandy Hook. In addition, students will work on an interpretive portfolio. Images can be created in analog, digital or in a hybrid photographic format. A portfolio review with Professor Klaus Schnitzer is required for registration. For details, please contact the department at 973-655-7295.

Biology and Molecular Biology
BIOL 488 31 Selected Topics in Cell and Molecular Biology: DNA Forensic Technology
This course is intended to provide an overview of the biological, technological, statistical, ethical, and legal issues involved in identifying individual genomes (identifying individual people or non-human animals based on DNA data).

BIOL 598 31 Selected Techniques in Molecular Biology: SDS-Page/Western Blotting
During the course we will analyze the expression of a transgene in tissues from a transgenic zebrafish expressing Green Florescent Protein (GFP). The expression of the GFP transgene will be determined by Western Blot analysis. Ultimately, this experiment will be used to generate data in the study of the process of tissue-specific expression driven by a specific promoter sequence. This course will help you to become acquainted with several techniques routinely use in the area of molecular, cellular and developmental biology.

BIOL 598 32 Selected Techniques in Molecular Biology: Immunohistochemistry/Immunocytochemistry
During the course we will analyze the expression of a transgene in tissues from a transgenic zebrafish expressing Green Florescent Protein (GFP). The expression of the GFP transgene will be determined by immunohistochemistry (IHC) analysis. Ultimately, this experiment will be used to generate data in the study of the process of tissue and cell-specific expression driven by a specific promoter sequence. This course will help you to become acquainted with several techniques routinely use in the area of molecular, cellular and developmental biology.

Classics and General Humanities
GNHU 320 91 Selected Topics in Interdisciplinary Humanities: Bruce Springsteen, The Man and the Music
Bruce Springsteen once wrote, "We learned more from a three-minute record than we ever learned in school" ("No Surrender"). In this course, we will bring those records into our school and learn from them, as we explore the work of Bruce Springsteen, the artists and traditions that influence his music, and the way his work reflects the American experience in the late 20th and early 21st centuries.
Communication and Media
FILM 463 21 Advanced Film Workshop: Gaming Narrative
Introduction to the fundamental storytelling principles of videogames, including Role Playing Formats (RPG), First Person Formats and Side Scrolling Formats. Focus is on investigating and unpacking differentiated and procedurally generated narrative iterations of classic Aristotelian storytelling structure as they apply, variously, to videogames.

Communication Sciences and Disorders
CSND 598 11 Problems and Issues in Communication Disorders: Augmentative and Alternative Communication
The study of communication strategies, techniques, and low-and high-technology systems for people with severe developmental and acquired communication disorders who are unable to meet their daily communication needs through speech. Assessment, intervention, caregiver involvement, and working as part of a multidisciplinary team will be addressed.

CSND 598 41 Problems and Issues in Communication Disorders: Childhood Apraxia of Speech
This course covers current research topics in the assessment and treatment of childhood apraxia of speech. The course includes application of diagnostic procedures, defining characteristics unique to childhood apraxia of speech, and evidence based intervention principles for treatment.

Computer Science
CSIT 495 21 Topics in Computer Science for Undergraduates: C/C++ In Financial Application
This course is to develop financial related computer applications using object oriented language C/C++. In addition to object oriented, C/C++ is fast enough to meet specific real time requirement of financial applications. In this course, both basic concept and advanced features of C/C++ will be addressed. This course is focus on hand-on experience using C/C++ to solve financial related problems.

CSIT 595 21 Topics in Computer Science: Data Quality
Data Quality studies techniques and methodologies used to understand completeness, validity, consistency, timeliness and accuracy that makes data appropriate for a further analytic and use. Data quality is key in any many data sciences applications, Big Data, or scientific data study. Moreover, data quality can also help in data security and information assurance concerns. This course will investigate data quality methodologies and techniques and their applications in various domains.

CSIT 595 91 Topics in Computer Science: High Performance Computing
This course provides a study of the state-of-art of high performance computing (HPC) platforms and algorithms. Topics covered include parallel and distributed computing, graphical processing units (GPUs), as well as cloud based computing. Limitations of HPC are also discussed.
Counseling and Educational Leadership

COUN 653 21 Selected Topics in Counseling: Counseling and Social Justice
This advanced master's-level course provides students with best practices in integrating counseling, leadership, and social justice. This course will provide students the opportunity to study social injustice at the individual and systems levels. Students will learn about historical context of social justice, theory, and how to engage in application as social change agents. Social change happens by addressing issues through active engagement with stakeholders as well as having a deep understanding of the root causes and needs of the communities we serve. Utilizing leadership skills, students will understand and utilize an effective approach to work towards social justice. This course builds on the multicultural counseling course (master's level or doctoral); the emphasis will be on increasing knowledge and leadership skills in working with marginalized populations in counseling, supervision, research, teaching, and consultation using practices that promote social justice.

COUN 653 22 Selected Topics in Counseling: Counseling LGBT Clients
This course will address issues related to LGBT (Lesbian, Gay, Bisexual, Transgender) identity development, and will examine issues related to counseling LGBT clients. Issues to be addressed will include sexual identity development, sexual orientation, coming out, homophobia/heterosexism, intersections of multiple identities (i.e. racial, ethnic, spiritual), family/relationships, aging, HIV/AIDS, substance use/abuse, counselor ethics/values, counselor biases, and affirmative counseling.

COUN 653 31 Selected Topics in Counseling: Play Therapy
For this didactic and experiential course, students will learn how to be therapeutic agents in children’s lives by using structured therapeutic play sessions within various counseling settings. Students are taught basic child-centered play therapy principles and skills, including reflective listening, recognizing and responding to children’s feelings, therapeutic limit setting, building children’s self-esteem, and structuring therapeutic play sessions using a special kit of selected toys and play-based materials. Prerequisites: Graduate students with majors in the CNEL department only.

COUN 653 61 Selected Topics in Counseling: Creative Arts in Counseling
This course presents a comprehensive and developmentally oriented approach that focuses on the application of the creative/expressive arts to the process of counseling clients of all ages, from a variety of backgrounds in schools and community agencies, and primarily focus on clients with special needs. Students will examine the theories, techniques and functions of psychotherapeutic approaches using intermodal expressive arts, emphasizing cross-cultural contexts of creative expression and human development. The course will consist of class discussions, presentations, cooperative and group experiential learning activities, and “hands on” activities/projects that students will prepare and present. The creative arts-based therapies included (but are not limited to): play therapy, visual arts, music, creative dramatics, imagery, sand-play, bibliotherapy, writing, and puppetry for use with a variety of clients of differing age groups.
ELAD 670 21 Selected Topics in Administration and Supervision: *Assessment and Evaluation*
This course will introduce students to the practice of assessment and evaluation within higher education. The course will provide an overview of the various tools and strategies to assess and evaluate programs/initiatives in higher education. The focus of the course will be on assessing outcomes, assessment methodology, systematic program evaluation, and the application of theory-to-practice.

ELAD 670 22 Selected Topics in Administration and Supervision: *School Safety and Security in Educational Leadership*
This course will provide students with the knowledge and skills to do one of the most important leadership jobs of our time; keeping students safe. The course will include content that supports N.J.A.C.6A:16-5.1 *School safety and security plans*, which state each school district shall develop and implement comprehensive plans, procedures and mechanisms that provide for the safety and security in the public elementary and secondary schools of the school districts. Course content will enhance student’s knowledge of the standards to evaluate their school's security plans, and ways to develop practical and systematic plans for ensuring an orderly and caring learning environment at all times. Attention is given to the distinction between preventing violence and promoting safety.

ELAD 670 91 Selected Topics in Administration and Supervision: *Leadership in Special Education*
The school administrator’s role in ensuring students’, parents’, and teachers’ rights and responsibilities with respect to the provision of special education and related services will be explored. Specifically, the parameters for determining those rights will be studied as well as the practical implications for the school administrator. Students will utilize current web-based statutory and regulatory documents as well as relevant caselaw and other resources.

**Earth and Environmental Studies**
EAES 592 31 Pro-Seminar: *Intro to GIS/Remote Sensing*
The purpose of this course is to provide the students with an introduction to the concepts and techniques of Geographic Information Systems/Sciences (GIS) and Remote Sensing. It is assumed that the students are familiar with desktop computers (PC), the Windows operating system, web browsing, as well as software such as MS Excel and MS Word. The students will learn extensive operations and use of ArcGIS Desktop software through accomplishing the lab assignments. All lab assignments are designed in the way that will help the students to digest the concepts in a practical environment. While the students will be given sufficient guidance, they are also expected to solve these project assignments on their own, since the best pedagogical approach for learning GIS software is through trial and error. Overall, this course will provide the students with a good introduction in GIS and will prepare the students for further GIS courses and an exciting career in this field.
Economics and Finance
FINC 577 21 Selected Topics in Finance: Real Estate Investment: Primary Market
This course consists of topics pertaining primary and secondary mortgage markets in real estate investment. With respect to primary markets this course covers how banks, insurance companies, pension funds and individual investors assess risk, value, and invest in mortgages.

English
ENGL 250 31 Special Topics in English or American Literature: Golden Age of Children’s Literature
This course will address literature for children by British, American, and other anglophone writers between the 1860s and the 1920s. This period was children's literature's "Golden Age," when children's writing deviated from earlier moral and didactic forms to other modes, including fantasy, new fairy tales, adventure stories, animal tales, nonsense writing, domestic fictions modeled on the adult realist novel, and other coming-of-age stories. Among the authors covered will be Lewis Carroll, Frances Hodgson Burnett, Rudyard Kipling, Jack London, and A. A. Milne. Along the way, we will also address adaptations of major Golden Age works of children's literature into twentieth-century film. Requirements include regular journal entries, quizzes, and 6-8 page essay.

Family and Child Studies
FCST 590 91 Selected Topics in Family and Child Studies: Women and Gender Relations
This graduate level course will examine gender relations and the constructions of womanhood within society and within the family. Historical events and social forces, which have shaped the status of women, will also be covered. Special attention will be paid to the diverse experiences that women have based on their socio-cultural locations.

Health and Nutrition Science
HLTH 347 91 Health Issues Forum: Immigrant Health
This course will cover current major health issues affecting immigrants to the U.S., with opportunities for students to focus on specific immigrant communities and the health concerns most relevant to each. The course will also examine social determinants of immigrant health, such as current U.S. policies toward immigrants and how these affect immigrants' health status and access to health services. The course will also include an overview of the history of immigration patterns and policies in the U.S. Students will learn through assigned readings, individual research projects, film, video, other media, and in-class discussion. (Co-sat with HLTH 577 31.)

HLTH 577 91 Selected Topics in Health: Immigrant Health
This course will cover current major health issues affecting immigrants to the U.S., with opportunities for students to focus on specific immigrant communities and the health concerns most relevant to each. The course will also examine social determinants of immigrant health, such as current U.S. policies toward immigrants and how these affect immigrants' health status and access to health services. The course will also include an
overview of the history of immigration patterns and policies in the U.S. Students will learn through assigned readings, individual research projects, film, video, other media, and in-class discussion. (Co-sat with HLTH 347 91.)

Linguistics
LNGN 450 31 Selected Topics in Linguistics: Bilingualism in Perspective
The course provides an in-depth study of the effects of bilingualism on society, bilingual speech production, and second language acquisition from several perspectives, such as linguistics, sociolinguistics, psycholinguistics, cognitive linguistics, and theories of second language acquisition. Issues to be discussed include the nature and functions of individual vs. societal bilingualism, language policy, and bilingual education.

Management
MGMT 577 21 Special Topics in Management: Contemporary Topics in Project Management
This course explores contemporary topics in project management collectively representing the latest challenges and opportunities in project management. These topics include but not necessarily limited to: strategic business execution, program management office, organization change and transformation, working in virtual teams, managing conflicts, and enterprise project management.

MGMT 577 22 Special Topics in Management: Talent Management
Talent Management course focuses on designing, developing and implementing talent management strategies for organizational effectiveness in the highly competitive and global business environment. The course will have a global perspective in talent management and topics covered in this course include talent analysis, talent acquisition strategies, onboarding, talent development, succession planning, talent retention, talent engagement and the use of data analytics for talent management.

Teacher Education and Teacher Development PhD Program
TETD 816 21 Selected Topics in Teacher Education and Teacher Development: Teachers’ Motivation and Beliefs
This course focuses on teachers’ motivation and beliefs as related to their professional learning, development, and practice. Students will examine the theoretical and empirical scholarship in the field and will consider the practical applications of this information as related to preservice and practicing teacher learning and development.