SMAD 402. HD Compositing and Special Effects. 3 credits.
Study of advanced post-production principles and practices used in broadcast production environments. Emphasis on the development and creation of motion elements integrating HD non-linear editing systems with HD switching and special effects components. Focus on the editor as a composer of multi-layer video sound elements to create dynamic media used in live and live-on-disc programs. Prerequisites: SMAD 303 or permission of the instructor.

SMAD 404. Advanced Interactive Design. 3 credits.
Study of advanced techniques in interactive media for online and fixed media delivery. Emphasis on prepping techniques and professional development strategies. Includes creation of an interactive portfolio. Prerequisite: SMAD 308 or permission of the instructor.

SMAD 405. Directing Video and Cinema. 3 credits.
Study of the principles and practices of directing programs for video and cinema. Emphasis on the director's contribution to the creative development and production. Consideration of the director's responsibilities, including directing talent, visualization and project management. Attention to similarities and differences in single camera and multi-camera production. Prerequisites: SMAD 302 or permission of the instructor.

SMAD 407. Business and Management of Digital Media. 3 credits.
Study of the principles and practices of managing digital media production. Emphasis on financial and personnel management, client relationships, and the structures and practices of digital media industries. Consideration of new trends in production and distribution. Attention to career preparation and development. Prerequisites: Senior standing and SMAD 302 or SMAD 307, or permission of the instructor.

SMAD 408. Converged Media Lab. 3 credits.
Advanced study in converged media production. A senior production studio class focusing on creative solutions for complex communication problems in print, video, and web media. The client-based projects will require creative brainstorming, teamwork, project management, and analysis and criticism in addition to production and distribution. Additional attention to production, distribution, and the role of convergence in the digital, web, and mobile media environment. Prerequisites: Senior standing and permission of the instructor.

SMAD 409. Electronic News Gathering and Producing. 3 credits.
Study of the processes and responsibilities of producing news for electronic distribution. Students will research, write and produce stories for distribution over-the-air, on cable and over the Internet. Emphasis on legal and ethical issues in news coverage. Prerequisites: SMAD 309 or permission of the instructor.

SMAD 411. Corporate Communication Management. 3 credits.
Study of principles and practices of managing corporate communication. Emphasis on evaluation and management of messages, channels and appropriate media. Attention given to critical analysis and strategic planning. Focus on legal, ethical, financial, personnel issues and career development. Analysis of case studies and current issues. Prerequisites: Senior standing, SMAD 241, SMAD 341 or permission of the instructor.

SMAD 460. Movies and Society. 3 credits.
The study of the cultural impact of the film industry as an institution of mass communication. Emphasis on the interrelationship among social, economic and technological factors influencing the creation and consumption of motion pictures. Consideration of particular films as indicators of cultural change. Prerequisites: SMAD 301 or SMAD 301L and junior or senior standing; for non-majors: admission to the interdisciplinary minor in film studies and junior or senior standing; or permission of the instructor.

SMAD 461. Movies as Art. 3 credits.
Advanced study of how movies tell their stories in visual terms. Emphasis on the historical evolution and design of the moving image. Consideration of the latest imaging technologies affecting film narrative. Prerequisites: SMAD 301 or SMAD 301L and junior or senior standing; for non-majors: admission to the interdisciplinary minor in film studies and junior or senior standing; or permission of the instructor.

SMAD 462. Documentary in Film and Television. 3 credits.
The study of content, style, technique and effect of representative samples of the documentary form. Consideration given to informational and persuasive elements. Prerequisites: SMAD 301 or SMAD 301L and junior or senior standing; for non-majors: admission to the interdisciplinary minor in film studies and junior or senior standing; or permission of the instructor.

SMAD/ENG 463. Film Adaptations. 3 credits.
The study of the process of adapting literature into feature films. Consideration is given to the original literary work, as well as to the changes undergone in its adaptation to film. Prerequisites: SMAD 301 or SMAD 301L and junior or senior standing; for non-majors: admission to the cross disciplinary minor in film studies; or permission of the instructor.

SMAD 470. New Media and Society. 3 credits.
Study of the key issues arising from the role of information and information technology in organizations and society. Emphasis on the spheres of social life in which new media technologies play a role: politics, community, economics, culture, personal and global contexts. Focus on a wide range of perspectives and on both theoretical and empirical research to examine new media's role in social capital and community. Prerequisites: SMAD or WRTC major, junior or senior standing, or permission of the instructor.

SMAD 471. Media Ethics. 3 credits.
The study of ethical principles and how they apply in a variety of media situations, including entertainment programming news and advertising. Emphasis on case studies as examples of ethical decision-making. Prerequisites: Admission to the SMAD major and junior or senior standing or permission of the instructor.

SMAD/SCOM/POSC 472. Media and Politics. 3 credits.
A study of the media's role in political campaigns, concentrating on past/present election, the media's role in covering political parties and coverage of the governing process. Discussion of electronic and print will occur. Topics to be examined include campaign videos, CSSPAN, political ads, editorial cartoons, TV debates, convention coverage and radio talk show commentary.

SMAD 490. Special Studies in Media Arts and Design. 3 credits.
Independent study for students to pursue individual research under the guidance of a faculty advisor. Prerequisites: Senior SMAD majors in good standing and permission of the school director.

SMAD 495. Internship in Media Arts and Design. 1-2 credits, repeatable to 4 credits.
An off-campus program prepared and monitored on an individual student basis. Internships are designed to provide practical experience in converged and interactive media, corporate communication, digital video and cinema, and journalism. Prerequisites: Permission of the school director and the media faculty involved. Students must meet criteria and application procedures established in each concentration.

SMAD 497. Advanced Projects in Media Arts and Design. 3 credits.
This advanced course will enable students to collaborate to create diverse media projects. Projects may be designed to focus on one or many concentrations, and are intended to provide a culminating media creation experience. Prerequisites or corequisites: SMAD major and junior or senior standing.

SMAD 498. Senior Seminar in Media Arts and Design. 3 credits.
The study and research in the history and philosophy of the function of mass communication in society. Consideration of topics relating to problems of communication systems, technological freedoms, and press freedom and responsibilities. Prerequisites: SMAD 301 or SMAD 301L and senior standing, or permission of the instructor.

SMAD 499. Honors in Media Arts and Design. 6 credits.
Year course.

Middle Education

College of Education

MIED 311. Field Experience in Middle Education. 2 credits.
Students devote 80 clock hours to classroom activities that emphasize diverse learning needs in middle schools under university and public school supervision. Satisfactory performance in this course is required for continuing in teacher education. Corequisites: EDUC 310 and READ 312 for middle education students.

Middle and Secondary Education

College of Education

MSSE 101. Orientation to the Profession. 2 credits.
Provides information about preparation programs and careers for teachers of middle and high schools. Students participate in reflective activities for making personal and professional decisions about teaching and also engage in a service learning project.
MSSE 240. Foundations of General Education Grades 6-12. 3 credits.
This course is designed to provide an overview of the structure and curriculum of the secondary (6-12) general education classroom. Students will learn assessment requirements of general secondary classrooms and the parameters under which teachers in general secondary classrooms must function. This course is not open to middle and secondary education teacher licensure candidates.

MSSE 370. General Instructional Methods for Grades 6-12. 3 credits.
This general teaching methods course provides a solid foundation for planning curriculum and instruction for middle and high school students. Topics include engaging adolescent learners, lesson design instructional strategies and assessment models. Corequisite: For secondary education: MSSE 371 & EDUC 310; for middle education, MSSE 371. Prerequisites: Admission to teacher education and GPSYC 180 for secondary education students; Admission to teacher education, EDUC 310, MIED 311 and READ 312 for middle education students.

MSSE 371. Clinical Experience in Adolescent Education. 1 credit.
Students will devote 15 hours to clinical experiences grounded in adolescent instruction, including field work and on-campus lab activities. Satisfactory performance in this course is required for retention in teacher education.
Corequisite: For secondary education: MSSE 370 & EDUC 310; for middle education, MSSE 370. Prerequisites: GPSYC 180 for secondary education students; EDUC 310, MIED 311 and READ 312 for middle education students.

MSSE 470 (E, H, M and S). Teaching Methods Courses. 3 credits.
Specific techniques and methods for middle and secondary teachers in their respective discipline areas. Competencies to be developed will include discipline-specific planning strategies, instructional models, assessment of student learning, etc. Corequisite: MSSE 471, Prerequisites: EDUC 310, MIED 311, MSSE 370, MSSE 371 and READ 312 for middle education students; EDUC 310, MSSE 370 and MSSE 371 for secondary education students.

MSSE 470E. English/Language Arts Teaching Methods for Middle School. 3 credits.
Specific instructional and assessment techniques and methods targeted for the middle school learner for middle and secondary teachers in their respective discipline areas. Competencies to be developed will include discipline-specific planning strategies, instructional models, assessment of student learning, etc. Corequisite: MSSE 471, Prerequisites: EDUC 310, MIED 311, MSSE 370, MSSE 371 and READ 312 for middle education students; EDUC 310, MSSE 370 and MSSE 371 for secondary education students.

MSSE 470H. Social Studies Teaching Methods, Grades 6-8. 3 credits.
Specific instructional and assessment techniques and methods targeted for the middle school learner for middle and secondary teachers in their respective discipline areas. Competencies to be developed will include discipline-specific planning strategies, instructional models, assessment of student learning, etc. Corequisite: MSSE 471, Prerequisites: EDUC 310, MIED 311, MSSE 370, MSSE 371 and READ 312 for middle education students; EDUC 310, MSSE 370 and MSSE 371 for secondary education students.

MSSE 470M. Mathematics Teaching Methods, Grades 6-8. 3 credits.
Specific instructional and assessment techniques and methods targeted for the middle school learner for middle and secondary teachers in their respective discipline areas. Competencies to be developed will include discipline-specific planning strategies, instructional models, assessment of student learning, etc. Corequisite: MSSE 471, Prerequisites: EDUC 310, MIED 311, MSSE 370, MSSE 371 and READ 312 for middle education students; EDUC 310, MSSE 370 and MSSE 371 for secondary education students.

MSSE 470S. Natural Sciences Teaching Methods, Grades 6-8. 3 credits.
Specific instructional and assessment techniques and methods targeted for the middle school learner for middle and secondary teachers in their respective discipline areas. Competencies to be developed will include discipline-specific planning strategies, instructional models, assessment of student learning, etc. Corequisite: MSSE 471, Prerequisites: EDUC 310, MIED 311, MSSE 370, MSSE 371 and READ 312 for middle education students; EDUC 310, MSSE 370 and MSSE 371 for secondary education students.

MSSE 471. Content Area Field Experience in Middle Schools. 3 credits.
Provides practical classroom experience for teacher education candidates in the middle and secondary education programs under the supervision of an in-service teacher and a clinical professor. Students engage in classroom activities that provide an opportunity for them to practice the strategies and concepts learned in the methods courses. Corequisites: MSSE 470 and READ 472 or EXED 480 for middle education students; MSSE 470 and READ 440 for secondary education students. Prerequisites: EDUC 310, MIED 311, MSSE 370, MSSE 371 and READ 312 for middle education students; EDUC 310, MSSE 370 and MSSE 371 for secondary education students.

MSSE 471E. Field Experience in Middle School English. 3 credits.

MSSE 471H. Field Experience in Middle School Social Studies. 3 credits.

MSSE 471M. Field Experience in Middle School Mathematics. 3 credits.

MSSE 471S. Field Experience in Middle School Natural Science. 3 credits.

MSSE 490. Special Studies in Education. 1-3 credits.
A supervised, individualized study of one or more issues and/or problems in middle and/or secondary education. Prerequisite: The faculty adviser and the program coordinator must approve the plan for the study.

Military Science

Department of Military Science

MSCI 100. Leadership Laboratory (0, 2). 1 credit, repeatable to 4 credits.
A laboratory in the development of leadership, stressing the practical application of leadership principles, techniques, styles and responsibilities. Participation as a member of a team or as a leader of the team given responsibility for accomplishment of given tasks. Corequisite: MSCI 101 or MSCI 102. Prerequisites: To enroll in this lab section, students must obtain a sports physical or similar medical clearance. Contact the Military Science office for additional information.

MSCI 101. Introduction to Leadership and the Army. 1 credit.
Introduction to various leadership styles and their effect on organizations; an introduction to the organization of the U.S. Army, its roles and missions, customs and traditions; effective writing and oral presentation techniques; orienteering and the use of lenticular compass; principles of physical conditioning. Corequisite: MSCI 100.

MSCI 102. Leadership Development Fundamentals. 1 credit.
Introduction to the basic principles of leadership; developing a personal leadership style; effective writing and speaking skills; introduction to leadership in small tactical units; fundamentals of first aid, land navigation and marksmanship; principles of personal conditioning. Corequisite: MSCI 100.

MSCI 200. Intermediate Leadership Laboratory. 2 credits, repeatable to 4 credits.
An intermediate leadership laboratory in the sequential process of leadership development, this course stresses the practical application of leadership principles and responsibilities and the exploratory development of personal leadership techniques and styles. The intermediate leadership laboratory focuses on leadership planning and execution and performance and evaluation as both a team member and a leader of a 10 to 30 person team. Cadets are given responsibility for accomplishing collective tasks and for the evaluation, counseling, leading and mentoring of 10 to 12 subordinates and team members. Prerequisites: Contracting into the ROTC Basic Course (MSCI 101, MSCI 102, and MSCI 100 lab). Department head approval required. To enroll in this lab section, students must obtain a sports physical or similar medical clearance. Contact the Military Science office for additional information.

MSCI 201. Leadership Styles – Theory and Application. 2 credits.
A study of individual leadership styles and techniques, using historical case studies, to introduce the branches and specialties of the Army. The focus of this course is communication and goal setting in small organizations, effective writing and public speaking, and performance and evaluation as the leader of a five-member team required to accomplish tasks in a practical setting. Students also serve as a member of a 10-person team responsible for accomplishing practical military and team-building tasks in a field setting. Corequisite: MSCI 100.

MSCI 202. Developing Leader Skills. 2 credits.
This course focuses on analyzing missions to determine specified and implied tasks, organizing and conducting a briefing, preparing a concise written directive (operations order), and detailing how a team will accomplish its tasks. Performance and evaluation of Cadets as the leader of a five-person team during a 44 hour, off-campus leadership practicum and evaluation of physical fitness preparedness for attendance at Cadet Professional Development Training are also components of this course. Corequisite: MSCI 100, MSCI 200 for contracted Cadets in JMU ROTC.

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