

2009

## Educational Media (MEDI)

Montclair State University

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## Educational Media

	Prerequisites	Matriculation in the Ed.D. Mathematics Education (MTHE) Program; Advancement to Candidacy.
	Course Description	This department requires 12 credits of MATH 900. While enrolled in MATH 900, students will work with their Dissertation Chair and their Dissertation Committee. Credits are reported as IP (In Progress) while the dissertation is being written. At the conclusion of the dissertation defense, a final grade of Pass or Fail will be recorded.
MATH901	Title	Dissertation Extension.
	Prerequisites	12 credits of dissertation advisement.
	Course Description	Once students have acquired 12 credits of MATH 900 Dissertation Advisement, they must enroll in 1 credit of MATH 901 in every semester in which they intend to work on the dissertation, up to and including the semester of the defense. Credits are reported as IP (In Progress) while the dissertation is being written. At the conclusion of the dissertation defense, a final grade of Pass or Fail will be recorded. MATH 901 may be repeated until the time limitation for completion of the doctoral program as specified in the Doctoral Policy Manual has been reached. Cross listed with EDCO 901.
MATH920	Title	Qualifying Examination Preparation.
	Prerequisites	Students with EDD in Mathematics Education (MTHE) only.
	Special Fee	Special fee.
MEDI500	Title	Media, Technology, and Learning in the Curriculum.
	Number and type of credits	3 hours lecture.
	Course Description	The organizing and integrating of media in school curricula and other educational programs. Identifying instructional purposes and defining roles for technology and media in learning and teaching. Examining and comparing curriculum designs for their concordance with the procedures of technology in education. Selection and evaluation of materials.
MEDI503	Title	Critical Basics of Media and Technology Production.
	Number and type of credits	3 hours laboratory. Starting Winter 2017: 3 hours lecture.
	Course Description	This course introduces critical and practical frameworks for producing educational media. Students engage in hands-on production of multiple media forms to support a variety of curricular goals, with emphasis on digital media. Students explore the possibilities of multimedia and non-linear teaching and learning for educators and learn the fundamentals of interactive

MEDI504	Title Number and type of credits Course Description	and integrative curriculum design across MacIntosh and PC-based computer platforms. Open to matriculating and non-matriculating students. The Role of the Media Specialist. 3 hours lecture. This introductory course explores the collaborative role of the media specialist in educational renewal and the systemic integration of technologies into schools, districts and communities. The course explores the coordination and management of media resources, leadership responsibilities, professional development, standards & assessment, organizational communication and ongoing support as interrelated elements in effective educational technology integration.
MEDI505	Title Number and type of credits Course Description	Access and Organization of Educational Media. 3 hours laboratory. This hands-on seminar explores global and systemic approaches to creating a library or media center collection within school and community structures. The course focuses on access, cataloging, and classification of library resources in multiple media formats using various classification schemes.
MEDI506	Title Number and type of credits	Evaluation and Selection of Educational Media. 3 hours lecture.
MEDI506	Course Description	Emphasizes the evaluation and selection of research materials in multiple media formats - from print to digital. The course provides opportunities to discover what kinds of resources are available and generate criteria for evaluating the quality and usefulness of new and traditional media in supporting the research process.
MEDI520	Title Number and type of credits Course Description	Production of Materials for Media Technology. 3 hours lecture. For developing advanced proficiency in preparing audio, photographic, and graphic materials. Especially for persons charged with materials preparation in media centers. Laboratory instruction.
MEDI521	Title Number and type of credits Course Description	Design of Innovative Curriculum Resources. 3 hours lecture. Emphasis on systems design, software, program development, creative

MEDI523	Title Number and type of credits Course Description	development of media for special learning situations, basic design of programmed instruction and multi-media techniques. Integrating Technology Across the Elementary Curriculum. 3 hours lab. This laboratory course provides students with hands-on experience in creating educational and instructional technology environments that are student-centered, collaborative, inquiry-based, and emphasize critical thinking. The course explores the fundamentals of interactive design using both MacIntosh and PC-based computer platforms. Students orchestrate object, print, video and digital media technologies to support specific curricular goals at the early childhood and elementary levels.
MEDI550	Title Number and type of credits Course Description	Administration and Supervision of Media in Education. 3 hours lecture. Provides training for management of integrated instructional resources programs. Emphasis is on the practical day-to-day problems of control, production, acquisition, utilization, finance, staffing, organization and evaluation for the provision of media and technology in educational enterprises. Additional attention is given to community relationships and special services.
MEDI570	Title Number and type of credits Course Description	Developing Materials for Computer Technology in Training and Education. 3 hours lecture. Design, organization, and presentation of subject matter in computer based instruction. Emphasizes user-friendly modes. Includes media insertion, storyboarding, flow design, pseudocoding, and pedagogical control. Investigates authoring systems and languages. Does not include programming training.
MEDI610	Title Number and type of credits Course Description	Research and Development Seminar in Instructional Technology and Resources. 3 hours seminar. A seminar on application of research findings to the design and utilization of instructional media and resources. Emphasis is on the extraction of practical utilization based upon research findings.
MEDI615	Title Course Description	Supervised Field Experience for Educational Media Certification. Students are assigned work within an educational media center, operating at the level and in the domain of their professional specialty. They work under