EDCI 501. Educational Statistics I. 3 Credits. (3 Lec) F,Su
PREREQUISITE: STAT 216, graduate standing or consent of instructor. The application of statistical processes to the analysis of educational data. Educational problems that require hypothesis testing, regression, estimation and the T-distribution, analysis of frequencies, and ANOVA in their solution will be included.
Term CRN Section Session Dates Days Location Time
2017 Summer 10645 801 Intersession - - -
Session
2017 Summer 11284 802 Full Semester - - -
Session

EDCI 506. Applied Educational Research. 3 Credits. (3 Lec) F,S,Su
PREREQUISITE: Graduate standing. Students are introduced to systematic scientific inquiry, its purpose in an educational environment, the different approaches to conducting educational research, and the major components of an educational research study. Providing a foundation for further study of research methodologies, students will identify and evaluate existing literature on a topic and conduct an educational research study. Course will address responsible conduct of research.
Term CRN Section Session Dates Days Location Time
2017 Summer 10490 801 Intersession - - -
Session

EDCI 531. Contemporary Issues in Education. 3 Credits. (3 Lec)Su
This course is designed to establish the necessary social, technical, and research, foundations for cohort groups in the Master's degree program. This course will examine critical issues in education including advanced pedagogy, Indian Education for All, and school law.
Term CRN Section Session Dates Days Location Time
2017 Summer 10491 801 Intersession - - -
Session

EDCI 536. Construction of Curriculum. 3 Credits. (3 Lec) Su
PREREQUISITE: Graduate standing. The development and evaluation of curriculum based on psychological and social foundations of curriculum, curriculum theory, developmental models, design issues, purposes, implementation plans and techniques for assessing the impact of curriculum change.
Term CRN Section Session Dates Days Location Time
2017 Summer 11354 801 Intersession - - -
Session

EDCI 537. Contemporary Issues in Science Education. 2 Credits. (2 Lec) Su
PREREQUISITE: Graduate standing. This seminar style course focuses on current problems and controversial issues in science education. Emphasis is placed on those issues which relate directly to science teaching, learning and curriculum. Students investigate a variety of issues especially as they relate to their own teaching practices and student learning in their classroom.
Term CRN Section Session Dates Days Location Time
2017 Summer 11246 801 Non-standard term dates 15- MAY-17 04-
AUG-17
Session

EDCI 540. American Indian Studies for Ed. 3 Credits. (3 Lec) On Demand
This course serves to equip teachers with the skills, knowledge, and dispositions to meet Indian Education for All requirements for the state of Montana, and fulfills similar expectations in surrounding states. Instruction pertains to the history, traditions, customs, values, beliefs, and contemporary affairs of American Indians, particularly tribal groups in the Northern Plains Region.
Term CRN Section Session Dates Days Location Time
2017 Summer 11240 801 Intersession - - -
Session
2017 Summer 11279 802 Non-standard term dates 15-
MAY-17 04-
AUG-17
Session

EDCI 546. School Library Media Specialist. 3 Credits. (3 Lec)Su
PREREQUISITE: EDU 370 or equivalent and graduate standing. This course will examine the management and leadership role of the school library media specialist and how the library media center fits into the educational setting. Restricted to Library Media Certificate students.
Term CRN Section Session Dates Days Location Time
2017 Summer 10435 801 Non-standard term dates 15-
MAY-17 21-
JUL-17
Session

EDCI 548. Management of Information & Resources. 3 Credits. (3 Lec)Su
PREREQUISITE: EDU 370 or equivalent and graduate standing. Students learn the management, development, use, and evaluation of materials for building library collections in K-12 library media centers. Restricted to Library Media Certificate students.
Term CRN Section Session Dates Days Location Time
2017 Summer 10531 801 Non-standard term dates 15-
MAY-17 21-
JUL-17
Session
2017 Summer 11200 802 Non-standard term dates 15-
MAY-17 21-
JUL-17
Session

EDCI 554. Curriculum Design, Pedagogy, & Assessment. 3 Credits. (3 Lec) On Demand
This is a course on the pedagogical dimensions of schooling. We cover practical strategies for the design and implementation of curriculum, the design and effective uses of evaluation, alignment of curriculum and assessments with standards, and strategies for meeting the needs of all learners by means of appropriate accommodations, adjustments, and interventions. This course integrates the topics of curriculum design, pedagogy, and assessment.
Term CRN Section Session Dates Days Location Time
2017 Summer 11241 801 Non-standard term dates 15-
MAY-17 04-
AUG-17
Session

EDCI 555. Technology, Instructional Design, and Learner Success. 3 Credits. (3 Lec) S
Instructional Media; Using Electronic Resources; Software for curriculum and Lesson design; using assessment as an instructional tool; techniques for engaging learners in diverse instructional media; Classroom record keeping systems.
Term CRN Section Session Dates Days Location Time
2017 Summer 11237 801 Non-standard term dates 15-
MAY-17 04-
AUG-17
Session

EDCI 557. Brain Science, Educational Research, and Teaching. 3 Credits. (3 Lec) Su
This course examines key theories and concepts on the psychology of learning, from behaviorism through gestalt psychology to current variations of constructivism and cognitive science. Topics include brain imaging, cognitive science, a taxonomy of knowledge types, the power of narrative in learning, and a practical study in establishing curricular coherence through the use of foundational perspectives of the subject matter.
Term CRN Section Session Dates Days Location Time
2017 Summer 11236 801 Non-standard term dates 08-
MAY-17 30-
JUN-17
Session
2017 Summer 11280 802 Non-standard term dates 15-
MAY-17 04-
AUG-17
Session
EDCI 559. Internship: Equity, Special Needs, and Diversity. 3 Credits. (3 Lec) F
This course focuses on the practical implementation of professional knowledge, skills, and dispositions in the social dimensions of teaching, knowing how to manage a classroom and development an effective learning community. It provides a research and classroom based study of equity; special education laws, theory and practice; diversity, directing theory into practice; and meeting national, state and local standards.

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EDCI 564. The Comprehensive Portfolio. 3 Credits. (3 Lec) S
This course guides the process of creating the capstone Comprehensive Portfolio in which students summarize all of their learning from the NPTT program and demonstrate how that learning has manifested in the success of the K-12 learners they teach. We study the use of portfolios as a mechanism for authentic assessment of professional practice by various professional organizations. Students engage in self-critique, peer evaluations, and the professional evaluation of your portfolio by faculty and other professional evaluators, and model the habits of self-study, reflection, and critique expected of teachers as life-long learners.

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EDCI 571. In-Service Education. 1-4 Credits. (1-4 Lec; 4 cr max) On Demand
PREREQUISITE: Graduate standing and employment by sponsoring school organization. An approved supervised group study of an educational problem within a local school supervised by an MSU faculty member which culminates in a special report to be filed with the local district and the.

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EDCI 578. Internship-BPE Teacher Certification-Library Media. 1-2 Credits.
(1-2 Ind; 7 max) F,S,Su
PREREQUISITE: Must be in the An internship course restricted to BPE teacher certification students enrolled in the Library Media Certificate program.

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EDCI 588. Professional Development. 1-3 Credits. (1-3 Lab; 3 cr max) On Demand
Courses offered on a one-time basis to fulfill professional development needs of in service educators. A specific focus is given to each course which is appropriately subtitled.

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EDCI 591. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
PREREQUISITE: Upper division courses and others as determined for each offering. Courses not required in any curriculum for which there is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

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EDCI 604. Advanced Educational Psychology. 3 Credits. (3 Lec) S
PREREQUISITES: Graduate standing or permission of the instructor. An examination of theory and research related to the diverse learning and motivation needs of K-12 students. Practical implications for effective teaching will be identified throughout the course.

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Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.