

**Edu T&L 713.7: Math II Methods (early childhood),  
Wednesday, 4:30-7:00, 03 cr. hrs.**

**Richard James, rjames@columbus.k12@oh.us**

In this course, students will prepare lessons based on the Ohio Department of Education Academic Content Standards for Mathematics following the National Council of Teachers of Mathematics Standards for students in Pre-K through third grades. Students will follow the format developed according to the Ohio State University-Newark lesson plan by addressing student diversity, instructional strategies, student groupings, teacher/student interactions and student evaluations as determined by the needs of the students. Student will incorporate math games, puzzles, children's literature and home/school activities in these lesson plans.

**Edu T&L 854.2: Reading in the Social Setting  
Thursday, 4:30-7:00, 03 cr. hrs.**

**Dr. Christine Warner, warner.55@osu.edu**

This course is a CORE course for the MA program. In this course, there will be an extensive examination and integration of the theories of social and cultural dimensions of reading - what they are and how to recognize them as well as how these perspectives influence diverse schools, classrooms, communities, and homes - through the literature teachers bring to young adult readers. The class will consider what differences and universalities in reading theories and observations of literacy in social settings can be applied to the teaching and learning of reading. Lastly, the course is structured for participants to learn, as a reading community, how teachers need to recognize literacy teaching and learning as being integrally connected to the ways in which teachers and students draw on social and cultural meanings to negotiate opportunities for learning together.

**Edu T&L 711.02: Equivalence  
Online, 03 cr. hrs.**

**Dr. Michael Dornoo, dornoo.1@osu.edu**

This online course will prepare and equip teachers who are in any Ohio State University program or those interested in simply taking a graduate course. It fulfills requirements in the P-6 Mathematics Specialist Endorsement, may serve as an elective in the Master of Arts program, and also fulfills requirements for content in a mathematics education disciplinary focus in the Master of Arts. The focus will include both

content and pedagogy. Students taking this course will: become familiar with current theory about teaching children mathematics; learn to apply theory to classroom teaching (i.e., to planning and implementing lessons); develop instructional methods (including technological) for teaching children mathematics and broaden instructional repertoires of teaching ideas and activities; develop skill in finding and using print and other resources as they apply to classroom teaching; organize number concepts, their development through the mathematics curriculum, and their role on the learning of mathematics; demonstrate number sense, including an understanding of number systems and operations, and how they relate to one another; and reflect critically on instructional issues and matters (e.g., choice of appropriate teaching methods and educational equity issues).

<sup>(1)</sup>This course is one of four courses required for the Early Childhood Generalist Endorsement for grades 4 and 5. The Ohio Department of Education has developed the guidelines for this endorsement for individuals who have obtained, or are obtaining, an Early Childhood P-3 teaching license. To locate and then register for these courses, you will need to search by choosing the "undergraduate" career. Once registered for the course, if you are an MA student, or a Grad non-degree (GND) student, the credit will revert to grad credit for you.

The Ohio State University recently implemented a new Student Information System (SIS) for registration, and, for those who need it, the Ohio State Newark Advising Office can provide assistance in use. However, before you can register for graduate courses, your graduate status must be verified. If you are a current MA student, you can simply register as usual. If you are a MA student who has not taken a course in a while, or a graduate level student not in a program (Graduate Non-Degree - GND), the activation/reactivation/ verification process may take some time to implement, and in some cases has early deadlines. Students who are interested in a course should start the process as soon as possible. For the preregistration process, visit <http://bit.ly/OSU-grad-info> for information.

For additional help, or for help in actually registering, the advising office can help you navigate the new system and answer any questions you might have. The advising office may be reached at (740) 366-9333.

**For information on the Ohio State Newark K-12 MA program,** please contact the Newark Education Department at [osun\\_edn@osu.edu](mailto:osun_edn@osu.edu).

**For course content questions,** please contact the instructor listed.

Since each school district has its own policy regarding Ohio State Newark fee waivers, please contact your district's administration to see if you are eligible.

**2011 - 2012 GRADUATE  
COURSEWORK FOR ALL  
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## AUTUMN

### **Edu T&L 811: Teaching Science**

**Monday, 4:30-7:00, 03 cr. hrs.**

**Dr. Mary Lightbody, lightbody.1@osu.edu**

Teachers will learn how K-12 students think about and learn science; how to set up rich learning environments that encourage reasoning skills and scientific literacy; how to use probes of student understanding prior to instruction; and how to build pedagogical skills and content understandings to maximize student learning. Teachers will conduct their own project to meet their professional development goals. The course is open to all graduate-level students, and serves as an elective in the Ohio State Newark K-12 MA program.

### **Edu P&L 607.2: Adolescent Learning & Development in School Contexts**

**Monday, 4:30-7:00, 03 cr. hrs.**

**Marcus Herzberg, mlherzberg@aol.com**

Looks at the physical, social, emotional, and cognitive development of middle school students. It applies this knowledge by analyzing strategies and methods that work best, based on the developmental needs of the students.

### **Edu T&L 881: Theory & Practice in Multicultural Education**

**Tuesday, 4:30-7:00, 03 cr. hrs.**

**Dr. Binaya Subedi, subedi.1@osu.edu**

Examine ways of infusing multi-cultural and global aspects of curriculum in classrooms. Includes readings of biography and autobiography as well as viewing of films and documentaries. Students will learn to examine a variety of sources on social issues in a critical way and to teach from multiple perspectives. This course is open to all graduate-level students and also serves as an elective in the Ohio State University at Newark K-12 MA program.

### **Edu PAES 650: Introduction to Exceptional Children**

**Thursday, 4:30 – 7:00, 03 cr. hrs.**

**Dr. Terri Hessler, hessler.16@osu.edu**

An introductory course examining student learning abilities and determining when individualized programs of special education (IEP) are required. Categories of special education are discussed, including criteria, prevalence, and typical interventions. Also provided are an overview of the profession, including its history, current issues and challenges, and effective instructional practices.

Special education laws and cases will also be discussed.

### **Edu T&L 683<sup>(1)</sup>: Integrating Language Arts and Social Studies in the 4th/5th Grades**

**Online, osun\_edn@osu.edu, 03 cr. hrs.**

Open to all graduate students while also being a required course in the 4-5 Early Childhood Generalist Endorsement, the focus of this course is on the curriculum, pedagogy and integration that is specific to the 4th and 5th grades in language arts and social studies. Integration is a methodology for the teacher to teach in a framework that combines a heavily emphasized content, language arts, with an occasionally taught content area, social studies.

## WINTER

### **Edu T&L 682<sup>(1)</sup>: Teaching Mathematics, Science, and Culture in the 4th/5th Grades**

**Online, osun\_edn@osu.edu, 03 cr. hrs.**

Open to all graduate students while also being a required course in the 4-5 Early Childhood Generalist Endorsement. This course is related to teaching mathematics and science with consideration of pedagogy, content, assessment and equity. Constructivism is the primary pedagogy emphasized in this course as a methodology to teach for student understanding, and to increase teacher understanding of relationships between the 2 content areas and the cultural context of the 4th and 5th grades.

### **Edu T&L 853.2: Critical Reading in the Content Fields**

**Wednesday, 4:30-7:00, 03 cr. hrs.**

**Dr. Christine Warner, warner.55@osu.edu**

Designed to encourage students to examine the teaching of reading and writing within specific content fields. Students will become familiar with the concepts and strategies to assist middle school students as readers and writers as they learn content from textbooks, literature, other printed matter (including the internet), and various media forms (recordings, film, television). By the end of the course, students will understand the multiple ways young adults access information and will demonstrate an understanding of the nature of intersexuality and how it can be used to expand students' thinking and writing in the classroom curriculum. Students will be able to develop effective teaching strategies for organizing and expanding information in the content fields as well as understand and implement the use of trade books to support and enhance textbook learning

in the content fields.

### **Edu T&L 928.5: CAPSTONE**

**Monday 4:30-7:00, 03 cr. hrs.**

**Dr. Mary Lightbody, lightbody.1@osu.edu**

Capstone is the culminating course in The Ohio State University at Newark K-12 MA program. It is required for all MA students, and is to be taken near the end of the MA program experience. Contact your advisor for verification of your readiness to take the course.

### **Edu T&L 871: Historical and Contemporary Theories of Teaching and Learning**

**Tuesday, 4:30-7:00, 03 cr. hrs.**

**Dr. Adrian Rodgers, rogers.50@osu.edu**

This core course required for the MA degree is designed to help students develop a working understanding of historical and contemporary perspectives on teaching and learning. Students will develop a knowledge base of diverse ways of conceptualizing learning and teaching. Participants will examine the extent and quality of research related to contemporary learning and teaching theories and will evaluate educational implications of, and classroom practices associated with, contemporary theory.

### **Edu T&L 718.2: Teaching & Learning Math II (middle childhood)**

**Tuesday 4:30 – 7:00, 03 cr. hrs.**

**Richard James, rjames@columbus.k12@oh.us**

This class further develops concepts of T&L 709.2. As in T&L 709.2, participants develop an informed, research-based understanding of: the issues of mathematical content when teaching in a constructivist learning environment in grades 4-9; the role of equity and diversity in a constructivist, liberatory mathematics pedagogy in the middle grades; and the potential of the NCTM Principles and Standards 2000 and The ODE Academic Content Standards for Mathematics for supporting teaching, learning, and diversity.

### **Edu T&L 711.04: Number, Algebra and Data Analysis**

**03 cr. hrs.**

**Online; Dr. Michael Dornoo, Dornoo.1@osu.edu**

This online course will prepare and equip teachers who are in any Ohio State University program or those interested in simply taking a graduate course. It fulfills requirements in the P-6 Mathematics Specialist Endorsement, may serve as an elective in the Master of Arts program, and also fulfills requirements for content in a mathematics education

disciplinary focus in the Master of Arts. In this course, students will develop their skills through investigations of different ways to collect and represent data, and describe and analyze variation in data. Through practical examples, students will come to understand some statistical concepts, such as data representation, variation, the mean and median, bivariate data, probability, designing statistical experiments, and population estimations. The concluding case studies, divided into grade bands for K-2, 3-5, and 6-8 teachers, will show how to apply what students have learned in their own classrooms.

## SPRING

### **Edu T&L 681<sup>(1)</sup>: The Social Transitions of 4th/5th Grade Students in School and at Home**

**Online, osun\_edn@osu.edu**

This course is open to all graduate students and is also a required course in the 4-5 Early Childhood Generalist Endorsement. It is focused on the social and emotional development of the early adolescent in society, at home and in the classroom setting. Early adolescence is a time of transition for children, in their peer groups, in their families and in their cultural communities in ways that impact their orientation toward academic achievement.

### **PAES 677: The Parent-Professional Partnership**

**Tuesday, 4:30-7:00, 03 cr. hrs.**

**Dr. Terri Hessler, hessler.16@osu.edu**

Learn about family dynamics of a child with disabilities and understand how a collaborative home-school effort could positively impact the child's development. Issues addressed include parental advocacy, family dynamics, communication strategies, and parental involvement. Students will become more skilled in interacting effectively with learners with exceptionalities, their families, and other appropriate persons and agencies in the community. This is a project-based course resulting in a take-home portfolio of parent-partnership strategies.

### **Edu T&L 738.2: Social Studies Methods I (Middle Childhood)**

**Wednesday, 4:30-7:00, 03 cr. hrs.**

**Dr. Binaya Subedi, subedi.1@osu.edu**

Examines the role of social education in schools. The content provides critical knowledge on planning, teaching and assessing students' learning of social studies education. The value of using effective, diverse teaching strategies and meaningful learning activities is an emphasis.