

# CURRICULUM AND INSTRUCTION (EDUC)

## **EDUC 5000 - Professional Development for Accomplished Educators (3 Credits)**

This course focuses on the self-assessment of individual student understanding and application of mastery outcomes based on National Board for Professional Teaching Standards. Emphasis will be upon preparing educators to assess their practice using the rigorous guidelines for the NBTS process. Offered: Fall.

Restrictions:

Enrollment limited to students with a semester level of Graduate.

Other hours: 3

## **EDUC 5199 - Orientation to Adv Prof Educ (0 Credits)**

This course is for Master of Education students entering an education program. The Orientation to Graduate Education provides students with the training and information needed to successfully navigate ASU teacher preparation program requirements. Students will receive training on the College of Education's Conceptual Framework; the requirements needed to successfully complete teacher preparation programs; learn to navigate Degreeworks to complete academic program plans of study; and learn to navigate LiveText for purposes of assessment and evaluation of Key Unit and Program specific assessments. All students will be required to purchase a LiveText account and have an active ASU account prior to participation in the course. Offered: Fall, Spring, Summer.

## **EDUC 5441 - Culturally Responsive Teaching (3 Credits)**

Cultural difference influence classroom instruction and the performance of all students. This course is designed to prepare educators to teach in today's culturally diverse classrooms by providing them with a baseline of critical information and abilities, as well as a self-monitoring attitude to be successful. It presents students with the latest information on teacher effectiveness and specific suggestions on providing culturally responsive instruction in today's classrooms. The content of the course is performance-based and is designed for elementary through secondary professional educators. Offered: Fall.

## **EDUC 5443 - Educational Assessment in STEM (3 Credits)**

This course provides foundational knowledge of diagnostic, formative, and summative assessments for K-12 student learning in STEM fields (science, technology, engineering, or math). It is designed to teach STEM educators how to create developmentally appropriate assessments that align to state and national standards for K-12 student performance. Course content emphasizes assessment practices for monitoring student performance and assessment uses for data-driven instruction. Offered: Spring.

Lecture hours: 3

## **EDUC 5500 - Educational Statistics, Research, & Analysis (3 Credits)**

Application of basic descriptive statistics to education. Data graphs and tables, probability, sampling statistics, correlation and hypothesis testing are studied. Offered: Fall.

Restrictions:

Enrollment limited to students with a semester level of Graduate.

Other hours: 3

## **EDUC 5501 - Educational Research (3 Credits)**

A study of research methods, procedures and design, including preparation of research abstracts. Writing reports in the field of education and related areas are presented. Offered: Spring.

Prerequisites: (EDUC 5500 or EDUC 500)

Other hours: 3

## **EDUC 5502 - Action/Classroom Research (3 Credits)**

A study of research methods, procedures and designs, including the preparation of research abstracts and action research as it applies to educational settings. Offered: Spring.

Other hours: 3

## **EDUC 5504 - History of Education (3 Credits)**

A survey of major developments in the rise of public school in the U. S. from the colonial period to the present. Offered: Fall.

Lecture hours: 3

Other hours: 3

## **EDUC 5509 - Philosophy of Education (3 Credits)**

A study of the basic tenets of education focusing on current issues and their basic assumptions in schools. The derivations of issues and practices are analyzed. Offered: Spring.

Restrictions:

Enrollment limited to students with a semester level of Graduate.

Other hours: 3

## **EDUC 5531 - Mathematics Concepts in Secondary Schools (3 Credits)**

Current problems in teaching mathematics in the secondary school with emphasis on defining objectives, analyzing content and individualized instruction. Offered: Fall, Spring, Summer.

Lecture hours: 3

## **EDUC 5540 - Curriculum Principles in STEM (3 Credits)**

This course provides foundational knowledge for planning instructional lessons in STEM fields (science, technology, engineering, or math). It is designed to teach STEM educators how to create developmentally appropriate curriculum that aligns to local and state curriculum standards for student performance. Course content emphasizes curriculum planning that reflects multiple sources of data, resources, strategies, and activities for supporting the needs and interests of diverse learners. Offered: Summer.

Other hours: 3

## **EDUC 5550 - Foundation Principles in Education, Growth Development (3 Credits)**

This is an intensive course designed to provide foundational information to teacher education candidates that outlines the history of US public schooling, issues and trends in schooling, tenants of educational philosophy and educational psychology, and emphasizes the importance of cultural sensitivities and congruence during the educational process. Offered: Fall, Spring, Summer.

Restrictions:

Enrollment limited to students with a semester level of Graduate.

Other hours: 3

**EDUC 5570 - Strategies of Instruction in Science (3 Credits)**

Designed to introduce the professional teacher to the theories and practices of supervising student teaching nature of learning science, a system for instruction, instructional skills and evaluation of science teaching. Candidates must earn a minimum grade of B to receive credit for this course in the program of study. Offered: Summer.

Lecture hours: 3

**EDUC 5590 - Practicum I: Internship K-12 (3 Credits)**

Field-based experiences providing an opportunity for extensive training and application of knowledge with classroom students in the appropriate grade band as defined by the certification program (grades PK - 5 for elementary education; grades 4 – 8 for middle grades education, grades 6 – 12 for secondary education). Offered: Fall, Spring.

**EDUC 5591 - Practicum II: Internship (3 Credits)**

Field-based experiences providing an opportunity for extensive training and application of knowledge with classroom students in the appropriate grade band as defined by the certification program (grades PK - 5 for elementary education; grades 4 – 8 for middle grades education, grades 6 – 12 for secondary education). Offered: Fall, Spring.

**EDUC 5592 - Applied Research in Teacher Education (3 Credits)**

This course is designed to introduce advanced teacher candidates to quantitative and qualitative strategies for educational data collection and analysis. By the end of the course, advanced candidates will be able to design and implement an action research study in order to improve student achievement, drive teacher instruction, and positively impact school performance. Offered: Summer.

Other hours: 3

**EDUC 6000 - Research I (3 Credits)**

The purpose of this course is to introduce candidates to quantitative and qualitative methods for conducting meaningful inquiry and research. Candidates will gain an overview of research intent and design, methodology and technique, format and presentation, and data management and analysis informed by commonly used statistical methods. The course will develop each candidate's ability to use this knowledge to become more effective as school leaders.

Lecture hours: 3

**EDUC 6199 - Orientation to Educational Specialist Program (0 Credits)**

Orientation to Educational Specialist Program provides candidates with the training and information needed to successfully navigate ASU's Educational Specialist program requirements. Candidates will receive training on the requirements needed to successfully complete the Educational Specialist preparation program; navigate LiveText for the purposes of assessment and evaluation of Key EPP and Program specific assessments. All candidates will be required to purchase a two-year LiveText account and have an active ASU account prior to participation in the course. Offered: Fall, Spring, Summer.

**EDUC 7701 - Advanced Educational Research (3 Credits)**

A study of research methods, procedures and design, including preparation of research abstracts. Writing reports in the field of education and related areas is presented. Action research is focused on current problems in schools.

Lecture hours: 3