



**MONTCLAIR STATE**  
UNIVERSITY

Montclair State University  
**Montclair State University Digital  
Commons**

---

[Course Descriptions](#)

[Sprague Library Archives](#)

---

2009

## Secondary and Special Education (SASE)

Montclair State University

Follow this and additional works at: <https://digitalcommons.montclair.edu/course-descriptions>

---

### MSU Digital Commons Citation

Montclair State University, "Secondary and Special Education (SASE)" (2009). *Course Descriptions*. 100.  
<https://digitalcommons.montclair.edu/course-descriptions/100>

This Course Description is brought to you for free and open access by the Sprague Library Archives at Montclair State University Digital Commons. It has been accepted for inclusion in Course Descriptions by an authorized administrator of Montclair State University Digital Commons. For more information, please contact [digitalcommons@montclair.edu](mailto:digitalcommons@montclair.edu).

## Secondary & Special Education

RUSS201	Title	Languages Requirement. Advanced Russian I.
	Prerequisites	RUSS 132.
	Special Fee	Special fee.
	Number and type of credits	3 hours lecture.
	Course Description	Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets World Languages Requirement. Previous course RUSS 141 effective through Winter 2012.
RUSS202	Title	Advanced Russian II.
	Prerequisites	RUSS 201.
	Special Fee	Special fee.
	Number and type of credits	3 hours lecture.
	Course Description	Intensive study of Russian grammar, composition and translation, with assigned research in areas of special interest to individual students. Laboratory work. Meets World Languages Requirement. Previous course RUSS 152 effective through Winter 2012.
RUSS375	Title	Russian Study Abroad.
	Prerequisites	Departmental approval.
	Course Description	This course is designed to give teachers and students the opportunity to gain first-hand knowledge of Russia. This aim will be achieved through visits to various representative sites, tours, and lectures.
RUSS478	Title	Independent Study in Russian.
	Prerequisites	Departmental approval.
RUSS478	Course Description	Directed individual study and research in Russian for special students. May be repeated without limit as long as the topic is different.
SASE210	Title	Public Purposes of Education: Democracy and Schooling.
	Prerequisites	Sophomore level or higher and ENWR105 or HONP100.
	Number and type of credits	3 hours lecture.
	Course Description	This course examines the public purposes of education in our social and political democracy. Students inquire into the role of schools in fostering the development of democratic principles and practices and examine various

curriculum designs and pedagogical strategies. Students also explore the main issues stemming from the efforts to teach democratically in public educational institutions. Students complete 30 hours of fieldwork in an assigned high-performing urban school, which provides a context for these explorations. They examine and analyze successful practices of instruction and classroom management. Attendance at the first class is required to verify field expectations. This course is pre-requisite for admission into the teacher education program. Cross-listed with READ 210 and EDFD 210. Previous course CURR 210 effective through Spring 2014.

SASE305	<p>Title</p> <p>Prerequisites</p> <p>Corequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Teaching for Equity and Diversity.</p> <p>SASE 210, EDFD 210, or READ 210.</p> <p>SASE 310 and SASE 312, EDFD 312, OR READ 312.</p> <p>3 hours lecture.</p> <p>This course examines the qualities of teachers, teaching, and schooling that foster the learning of students from diverse social and cultural backgrounds. Students explore the ways in which socialization experiences shape perceptions. They reflect on their own beliefs, assumptions and perceptions about sociocultural identity and how their own socialization has shaped their perceptions of themselves and other people. Students also examine the nature and impact of the increasing social and cultural diversity in K-12 schools in the United States. They learn ways of teaching all children well and to develop positive relationships among teachers, parents and children. Cross listed with SASE 305 and READ 305. Previous course CURR 305 effective through Spring 2014.</p>
SASE310	<p>Title</p> <p>Prerequisites</p> <p>Corequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Inclusion in Middle and Secondary Schools.</p> <p>SASE 210, EDFD 210, or READ 210; and admission to Teacher Education Program.</p> <p>SASE 305, EDFD 305, OR READ 305; AND SASE 312, EDFD 312, OR READ 312.</p> <p>1 hour lecture.</p> <p>This course module exposes students to the central issues in the inclusion of students with disabilities in U.S middle and secondary schools. Best practices for providing access to the curriculum through explicitly designing and adjusting instruction for students with disabilities in inclusive classrooms are presented to address the wide range of needs and bolster the academic performance of all students. Issues addressed include legal,</p>

		professional and environmental influences on the education of students with special needs; implementation of effective inclusion, collaborative teaching diversified instruction, and social integration for students with disabilities in the inclusive classroom. Previous course CURR 310 effective through Spring 2014.
SASE312	Title	Educating English Language Learners.
	Prerequisites	SASE 210, EDFD 210, or READ 210; and admission to the Teacher Education Program.
	Corequisites	SASE 305, EDFD 305, or READ 305; and SASE 310.
	Number and type of credits	1 hour lecture.
	Course Description	This course module exposes students to the central issues in the education of English language learners in US schools and helps them learn about best practices in education through hands-on experience creating and adjusting
SASE312	Course Description	lessons and instruction to benefit the academic performance of English language learners as well as of all students. Issues addressed include sociocultural, legal, and political influences on the education of English language learners; principles of second language acquisition; and explicit practice in planning academic content instruction for English language learners. Cross listed with READ 312 and EDFD 312. Previous course CURR 312 effective through Spring 2014.
SASE314	Title	Assessment of Learning.
	Prerequisites	SASE 210, EDFD 210, or READ 210; SASE 305, EDFD 305, or READ 305; and admission to Teacher Education Program.
	Corequisites	SASE 316 and READ 411.
	Number and type of credits	1 hour lecture.
	Course Description	This course module is designed to be an introduction for preservice teachers to assessment and accountability. The course introduces students to various issues and techniques related to assessing students in the classroom, and provides hands-on practice understanding different assessment methods, evaluating student performance, and using assessment data to adjust and improve in-class instruction and student learning. Previous course CURR 314 effective through Spring 2014.

SASE316	<p>Title</p> <p>Prerequisites</p> <p>Corequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Integrating Technology Across the School Curriculum.</p> <p>SASE 210, EDFD 210, or READ 210; SASE 305, EDFD 305, OR READ 305; and admission to Teacher Education Program.</p> <p>SASE 314 AND READ 411.</p> <p>1 hour laboratory.</p> <p>This one-credit course introduces pre-service teachers to the dimensions of educational technology for teaching and learning. It exposes them to the history of educational technology as well as pedagogical and practical implementation of educational technologies. It enables the students to draw upon field-based experiences and in READ 411 to plan instructional technology environments that are student-centered, collaborative, and inquiry-based, that emphasize critical thinking, and that support specific curricular goals as stated in institutional, state and national standards for technology in education. Previous course CURR 316 effective through Spring 2014.</p>
SASE409	<p>Title</p> <p>Prerequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Teaching for Critical Thinking.</p> <p>Formal admission to Teacher Education Program.</p> <p>3 hours lecture.</p> <p>Designed for pre-service teacher to foster critical thinking in and about the disciplines they will teach. Emphasis will be placed on the processes of thinking in general, on the nature of critical thinking, on classroom conditions which promote critical thinking, on metacognition, whereby students will be encouraged to be conscious of their own thinking and on methods for assessing the quality of students' thinking. Previous course CURR 409 effective through Spring 2014.</p>
SASE412	<p>Title</p> <p>Prerequisites</p> <p>Course Description</p>	<p>Field Work in Urban Education.</p> <p>Departmental approval.</p> <p>Similar to SASE 410 with emphasis on tutoring and individual conferences in urban public school. Student keeps a log of activities. Class meetings on campus. Meets World Cultures Requirement. Previous course CURR 412 effective through Spring 2014.</p>
SASE413	<p>Title</p> <p>Prerequisites</p> <p>Course Description</p>	<p>Field Work in Community Agencies.</p> <p>Departmental approval.</p> <p>Thirty hours of guided experiences in public and private agencies. Objectives, scope and activities of agencies related to education.</p>

Preparation of report as specified on application form and log of activities.  
 Class meetings on campus during the experience are arranged. Previous course

SASE413	Course Description	CURR 413 effective through Spring 2014.
SASE414	Title	In-Service Supervised Teaching.
	Prerequisites	Departmental approval.
	Corequisites	SASE 452.
	Special Fee	Special fee.
	Course Description	Replaces supervised student teaching for those employed in teaching situations without standard certification. Joint supervision by the school district and university personnel. Student must have permission of department chairperson and the school district. Previous course CURR 414 effective through Spring 2014.
SASE416	Title	Supervised Student Teaching for Speech-Language Specialist Students.
	Prerequisites	Departmental approval.
	Special Fee	Special fee.
	Course Description	Student teaching experience for students in the Speech-Language Pathology Program who are seeking the Speech-Language Specialist teaching certificate. Students spend thirteen weeks in school-based field sites, log a minimum of 100 clinical hours, and participate in the cooperating school clinician's schedule (e.g. child study team meetings, parent conferences). Previous course CURR 416 effective through Spring 2014.
SASE421	Title	Seminar: Problems of a Classroom Teacher.
	Prerequisites	Departmental approval.
	Number and type of credits	1-3 hours seminar.
	Course Description	Reviewing, evaluating and relating teacher aide and student teaching experiences to initial employment as a teacher. Analyzing strengths and weaknesses and making adaptations in techniques and practices. Should be taken concurrently with or immediately after experiences. Previous course CURR 421 effective through Spring 2014.
SASE423	Title	Teaching in Urban Schools.
	Prerequisites	Admission to Teacher Education Program.
	Number and type of credits	3 hours lecture.

	Course Description	Focuses on factors affecting teaching and learning in urban schools. Topics include the nature and structure of urban schools, recent innovations in urban settings, mores and family patterns in the inner city, and funding opportunities. Meets World Cultures Requirement. Previous course CURR 423 effective through Spring 2014.
SASE450	Title	Fieldwork.
	Prerequisites	EDFD 200; SASE 210, EDFD 210 or READ 210; EDFD 220; EDFD 221; SASE 305, EDFD 305 or READ 305; SASE 310; SASE 312, EDFD 312 or READ 312; SASE 314; SASE 316; READ 411; and admission to teacher education program.
	Corequisites	SASE 451.
	Special Fee	Special fee.
	Course Description	Students spend 120 hours, or approximately two hours a week, in a selected public school. Activities include, but are not limited to, observing classroom teachers, facilitating small group and individual instruction, participating in after-school activities, tutoring, attending department meetings, shadowing and interviewing students and teachers, lesson planning and teaching, and assessing student work. Previous course CURR 450 effective through Spring 2014.
SASE451	Title	Teaching for Learning I.
	Prerequisites	EDFD 200; SASE 210, EDFD 210 or READ 210; EDFD 220; EDFD 221; SASE 305, EDFD 305 or READ 305; SASE 310; SASE 312, EDFD 312 or READ 312; SASE 314; SASE 316; READ 411; and admission to the teacher education program.
	Corequisites	SASE 450.
	Course Description	This is the first course in a two-semester sequence (SASE 451, SASE 452) in preparation for student teaching and the beginning of the students'
SASE451	Course Description	professional careers in teaching. The course is held on site in a partner secondary school that acts as a laboratory for learning. Students investigate democratic classroom practice by focusing on curriculum development; creating a positive, well-structured climate for learning in their classrooms; learning and practicing techniques for effective classroom management; and choosing appropriate teaching strategies and assessments to create successful learning experiences for their students. Previous course CURR 451 effective through

		Spring 2014.
SASE452	Title	Teaching for Learning II.
	Prerequisites	EDFD 200; SASE 210, EDFD 210 or READ 210; EDFD 220; EDFD 221; SASE 305, EDFD 305 or READ 305; SASE 310; SASE 312, EDFD 312 or READ 312; SASE 314; SASE 316; SASE 451; READ 411; and a methods course.
	Corequisites	SASE 453.
	Number and type of credits	3 hours lecture.
	Course Description	This is the second course in a two-semester sequence (SASE 451, SASE 452). This course focuses on putting into practice all the knowledge and skills students have developed throughout their professional sequence in their full-time, supervised student teaching experience. A primary focus is on planning and implementing curriculum. In addition to curriculum planning and using appropriate instructional and assessment strategies, students learn about the impact of the school and classroom culture and climate on student learning and on relationships between and among students, teachers, and other professionals in schools. Previous course CURR 452 effective through Spring 2014.
SASE453	Title	Student Teaching.
	Prerequisites	EDFD 200; SASE 210, EDFD 210 or READ 210; EDFD 220; EDFD 221; SASE 305, EDFD 305 or READ 305; SASE 310; SASE 312, EDFD 312 or READ 312; SASE 314; SASE 316; SASE 450; SASE 451; READ 411; and a methods course.
	Corequisites	SASE 452.
	Special Fee	Special fee.
	Course Description	Full-time student teaching under the supervision of a qualified cooperating teacher in the public schools of New Jersey is required of all students who complete the regular program of certification requirements. Previous course CURR 453 effective through Spring 2014.
SASE505	Title	Teaching, Democracy, and Schooling.
	Prerequisites	Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED).
	Corequisites	SASE 518.
	Number and type of credits	3 hours lecture.
	Course Description	This course brings together differing viewpoints regarding the purposes of



teaching in the United States and the teacher's role in fostering democracy. It provides future teachers with the habits of mind, skills, tools and resources to analyze and evaluate the relationship between the history of public education, the evolution of teacher identity, and the roles teachers and teaching have played in shaping the United States as a society and vice versa. Using Montclair State's Portrait of a Teacher as an organizing framework, this course places particular emphasis on the idea that all students can learn regardless of their gender, ability, race, ethnicity, or economic background. Students in the course study the history, philosophy, and politics that shape differing views about the roles and responsibilities of teachers, especially as these views relate to integration and inclusion in the classroom. Cross listed with EDFD 505. May be repeated once for a maximum of 6.0 credits. Previous course CURR 505 effective through Spring 2014.

SASE509

Title

Sociocultural Perspectives on Teaching and Learning. Starting Winter 2017: Sociocultural Perspectives on Curriculum and Assessment.

Prerequisites

SASE 505 or EDFD 505; SASE 518. Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED). Starting Winter 2017: Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI) or Master of Education (MED).

Corequisites

SASE 516 or EDFD 516; SASE 517. Starting Winter 2017: None.

Number and type of credits

3 hours lecture.

Course Description

Starting Winter 2017: This course examines how teachers, teaching, schooling, & curriculum can foster student learning from diverse socio-economic, linguistic & cultural backgrounds. Students explore foundational learning theories & how they inform curriculum & assessment; the ways socialization shapes perceptions of oneself & others; reflect on their own beliefs about their sociocultural identities & how those have been shaped by experience. The course provides prospective teachers with knowledge & skills for evaluating & understanding student learning across diverse educational settings, including an introduction to the design & evaluation of curriculum

for how it provides students with learning opportunities. Students consider assessment practices from the learners' point of view and analyze local & national assessment policies & practices in order to maximize student performance. They learn to develop assessments that meet the needs of diverse learners & are aligned with curricular learning goals. Cross listed with EDFD 509. Previous course CURR 509 effective through Spring 2014.

SASE510 Title  
Number and type of credits  
Course Description

School Violence and Vandalism: Problems and Solutions.  
3 hours lecture.

The course will provide students with a sufficient knowledge base to understand school vandalism and violence, and its ramifications and offer practical methodologies and techniques that will enable them to apply this knowledge in practical situations. Course activities will provide students with the needed skills to suggest or conduct controlled experiments, for particular problems, in school districts. Previous course CURR 510 effective through Spring 2014.

SASE514 Title  
Prerequisites  
Special Fee  
Course Description

In-service Supervised Graduate Student Teaching.

Departmental approval.

Special fee.

Open only to post-baccalaureate and graduate students; this course replaces supervised student teaching for those already employed in teaching situations without standard certification. Joint supervision by the school district and University personnel. Student must obtain permission of department chairperson and the school district. Certain qualifications required. Previous course CURR 514 effective through Spring 2014.

SASE516 Title  
Prerequisites  
  
Corequisites  
Number and type of credits  
Course Description

Meeting the Needs of English Language Learners.

SASE 505 or EDFD 505; SASE 518. Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED).

SASE 509 or EDFD 509; SASE 517.

1 hour lecture.

This course examines the best practices in educating English language learners. Students gain a greater understanding of the linguistic difficulties and resources of English language learners as well as the importance of a multicultural curriculum. Students learn how to make content

comprehensible and differentiate instruction based on the language levels of individual English language learners. Students develop an understanding of the academic and affective needs of English language learners, and of

SASE516	Course Description	strategies for meeting these needs. May be repeated once for a maximum of 2.0 credits. Cross listed with EDFD 516. Previous course CURR 516 effective through Spring 2014.
SASE517	Title	Inclusive Classrooms in Middle and Secondary Schools.
	Prerequisites	SASE 505 or EDFD 505; and SASE 518. Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED).
	Corequisites	SASE 509 or EDFD 509; and SASE 516 or EDFD 516.
	Number and type of credits	1 hour lecture.
	Course Description	This course presents the central issues in the inclusion of students with disabilities in United States middle and secondary schools. It focuses on best practices for providing access to the general education curriculum for students with disabilities in inclusive settings. In addition, students explore the legal, professional, and contextual influences on the implementation of inclusion. May be repeated once for a maximum of 2.0 credits. Previous course CURR 517 effective through Spring 2014.
SASE518	Title	Technology Integration in the Classroom.
	Prerequisites	Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED).
	Corequisites	SASE 505 or EDFD 505.
	Number and type of credits	1 hour lecture.
	Course Description	This one-credit course introduces pre-service teachers to the dimensions of educational technology for teaching and learning. Students also explore the history of educational technology with a focus on the pedagogical and practical implementation of educational technologies, youth technology culture, and merging technologies. It enables the students to draw upon field-based experiences in READ 501 to plan instructional technology environments that are student-centered, collaborative, and inquiry-based; that

		emphasize critical thinking; and that support specific curricular goals - as stated in institutional, state and national standards for technology in education. May be repeated once for a maximum of 2.0 credits. Previous course CURR 518 effective through Spring 2014.
SASE519	Title	Assessment for Authentic Learning.
	Prerequisites	SASE 505 or EDFD 505, SASE 518. Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED).
	Number and type of credits	3 hours lecture.
	Course Description	This course provides prospective teachers with knowledge and skills for evaluating and understanding student growth and learning across diverse educational settings. Students consider assessment practices from the point of view of learners and how they experience learning opportunities. Teacher candidates also analyze assessment policies and practices, both local and national, in order to maximize both student and teacher performance. They draw on aspects of assessment policy and practice to evaluate their own understandings of assessment and its development. May be repeated once for a maximum of 6.0 credits. Cross listed with EDFD 519. Previous course CURR 519 effective through Spring 2014.
SASE520	Title	Inclusive iSTeM for the Adolescent Learner I.
	Prerequisites	SPED 579 and SPED 568.
	Number and type of credits	3 hours lecture.
	Course Description	This course provides an introduction to integrative STEM education (e.g., Science, Technology, Engineering, and Mathematics) as a tool to advance student learning in the STEM content areas, creativity, and innovation. Teachers today have a strong commitment to teaching the subject matter as
SASE520	Course Description	listed in their content-area standards. However, given the changing trends in education and the push for technology integration, teachers and students are facing rapid change. This course addresses the essential question, "How do you inspire learning and creativity in all students according to the standards while maintaining balance in your core curriculum?" Through exploration of "big ideas" in invention and innovation, teacher candidates will begin to

		answer this question.
SASE521	Title	Inclusive iSTeM for the Adolescent Learner II.
	Prerequisites	SPED 579 and SPED 568 and SASE 522.
	Number and type of credits	3 hours lecture.
	Course Description	This course examines research and pedagogy for integrative STEM teaching and learning. In this course, teacher candidates learn to systematically apply design-based inquiry and project-based learning, and national STEM (e.g., Science, Technology, Engineering, and Mathematics) standards and integrative curricula. The setting for the study of inclusive iSTeM and design-based inquiry will focus on initiating iSTeM teaching and learning in inclusive middle/secondary math and science classrooms, with particular attention to improving access to the general education STEM curriculum for students with disabilities and English language learners. Students will demonstrate their learning through design and inquiry projects, field-based, universally-designed instructional planning and implementation, class discussions, and writing assignments.
SASE522	Title	Innovations in Teaching.
	Number and type of credits	3 hours lecture.
	Course Description	New media and strategies, novel teaching roles, individualized instructional programs, classroom group dynamics and experimental school organizations. Team teaching utilized where feasible. The student prepares an innovation proposal. Previous course CURR 522 effective through Spring 2014.
SASE523	Title	Education in the Inner City.
	Number and type of credits	3 hours lecture.
	Course Description	The urban school through the eyes of city youngsters, teachers and other educational personnel. Influences of social and economic forces: poverty, family patterns, ghetto mores, urban unrest, emergent minority leadership, school funding patterns, community agencies and school traditions. Evaluation of federal and other projects, innovative teaching and local action. Student prepares a proposal for improvement of an urban school situation. Previous course CURR 523 effective through Spring 2014.
SASE524	Title	Methods Technology Education.
	Number and type of credits	3 hours lecture.
	Course Description	This course prepares pre-service and in-service teachers to teach Technology

		Education K-12. The course includes application of the NJCCCS 8.2 (Technological Literacy); planning a course of instruction (unit plans, lesson plans, technology learning activities); laboratory management, equipment, and safety; record keeping and assessment. Students engage in micro-teaching lessons. May be repeated once for a maximum of 6.0 credits. Previous course CURR 524 effective through Spring 2014.
SASE526	Title	Teaching for Learning I. Starting Winter 2017: Seminar in Inclusive Pedagogy.
	Prerequisites	SASE 505 or EDFD 505; SASE 509 or EDFD 509; SASE 516 or EDFD 516; SASE 517; SASE 518; READ 501. Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED). Starting Winter 2017: SASE 509 or EDFD 509; Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), or Master of Education (MED).
	Corequisites	SASE 527 and content area methods course(s).
	Number and type of credits	3 hours lecture.
SASE526	Course Description	This is the first course in a two-semester sequence (SASE 526, SASE 543). This course focuses on developing classroom practices necessary for student teaching and the beginning of a professional career in teaching, building from the knowledge and skills developed in previous courses in the professional sequence. In conjunction with SASE 527-Fieldwork, students have the opportunity to observe in classrooms and to do individual, small group, and whole class teaching. Students investigate democratic classroom practice by focusing on curriculum development; creating a positive, well-structured climate for learning in their classrooms; learning and practicing techniques for effective classroom management; and choosing appropriate teaching strategies and assessments to create successful learning experiences for their students. Previous course CURR 526 effective through Spring 2014.
SASE527	Title	Fieldwork.
	Prerequisites	SASE 505 or EDFD 505; and SASE 509 or EDFD 509; and SASE 516 or EDFD 516; and SASE 517; and SASE 518; and EDFD 519 or SASE 519; and READ 501. Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of

	Corequisites	Education (MED).
	Special Fee	SASE 526 and content area methods course(s).
	Number and type of credits	Special fee.
	Course Description	3 hours lecture.
		Students spend 60 hours, or approximately one day per week, in a selected public school. Activities include, but are not limited to, observing classroom teachers, facilitating small group and individual instruction, participating in after-school activities, tutoring, attending department meetings, shadowing and interviewing students and teachers, lesson planning and teaching, and assessing student work. May be repeated once for a maximum of 6.0 credits. Previous course CURR 527 effective through Spring 2014.
		Starting Winter 2017: Students spend 120 hours, or approximately two days per week, in a selected public school. Activities include, but are not limited to, observing classroom teachers, facilitating small group and individual instruction, participating in after-school activities, tutoring, attending department meetings, shadowing and interviewing students and teachers, lesson planning and teaching, and assessing student work. May be repeated once for a maximum of 6.0 credits. Previous course CURR 527 effective through Spring 2014.
SASE529	Title	Student Teaching.
	Prerequisites	SASE 505 or EDFD 505; and SASE 509 or EDFD 509; and SASE 516 or EDFD 516; and SASE 517; and SASE 518; and SASE 519 or EDFD 519; and SASE 526; and SASE 527; and READ 501; and content area methods course(s). Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED).
	Corequisites	SASE 543.
	Special Fee	Special fee.
	Number and type of credits	6 hours lab.
	Course Description	Full time student teaching in the public schools of New Jersey for the duration of a semester is required of all students who complete the regular program of certification requirements. 6 hour lab requirements. May be repeated once for a maximum of 12.0 credits. Previous course CURR 529 effective through Spring 2014.
SASE530	Title	Principles of Curriculum Development.

	Number and type of credits	3 hours lecture.
	Course Description	Philosophic, social and economic forces in our society that have determined and will determine the pattern of curriculum in American education in the American public schools from K-12 grades. Accepted manner of designing such
SASE530	Course Description	curricula and professional bodies and individuals who play leading roles in the process of curriculum design. Connection of community interest and power structures in society which are related to the professional decisions. Previous course CURR 530 effective through Spring 2014.
SASE532	Title	Middle School Curriculum and Organization.
	Prerequisites	SASE 530.
	Number and type of credits	3 hours lecture.
	Course Description	Emerging curriculum of the rapidly developing middle school. Organization of pupils, instruction, media and facilities. Recent social changes and educational innovations; practices in typical middle schools; developing instructional strategies. Previous course CURR 532 effective through Spring 2014.
SASE533	Title	Curriculum Construction in the Secondary School.
	Prerequisites	SASE 530.
	Number and type of credits	3 hours lecture.
	Course Description	Secondary school curriculum and the needs of a changing civilization. Effective means of curriculum construction. Previous course CURR 533 effective through Spring 2014.
SASE535	Title	Designing Curriculum for Affective and Humanistic Education.
	Prerequisites	SASE 530.
	Number and type of credits	3 hours lecture.
	Course Description	The design and implementation of curricular approaches to emotion and process phenomena in the school; evolution, theory and current practice experientially evaluated. Workshops to devise original design models, and simulative and micro-teaching sessions to demonstrate competence in their application. Previous course CURR 535 effective through Spring 2014.
SASE537	Title	The Study of Teaching and Curriculum.
	Number and type of credits	3 hours lecture.



	Course Description	The teaching process, the varieties of teaching models and metaphors, underlying philosophical considerations and the relationship between teaching and learning outcomes. Previous course CURR 537 effective through Spring 2014.
SASE541	Title	Individualized Learning.
	Number and type of credits	1 hour lecture.
	Course Description	To help the teacher develop materials and techniques which will help him/her to make adaptations to the needs of individual students. Previous course CURR 541 effective through Spring 2014.
SASE543	Title	Teaching for Learning II. Starting Winter 2017: Advanced Seminar in Inclusive Pedagogy.
	Prerequisites	SASE 505 or EDFD 505; and SASE 509 or EDFD 509; and SASE 516 or EDFD 516; and SASE 517; and SASE 518; and SASE 526; and SASE 527; and READ 501; and content area methods course(s). Students must be enrolled in a Master of Arts in Teaching (MAT), Instructional Teaching Certificate (CRI), Educational Services Certificate (CRE) or Master of Education (MED). Starting Winter 2017: SASE 526 and SASE 527.
	Corequisites	SASE 529.
	Number and type of credits	3 hours lecture.
	Course Description	This is the second course in a two-semester sequence (SASE 526, SASE 543). This course focuses on putting into practice all the knowledge and skills students have developed throughout their professional sequence in their full-time, supervised student teaching experience. A primary focus is on planning and implementing curriculum. In addition to curriculum planning and using appropriate instructional and assessment strategies, students learn about the impact of the school and classroom culture and climate on student learning and on relationships between and among students, teachers, and other
SASE543	Course Description	professionals in school. May be repeated once for a maximum of 6.0 credits. Previous course CURR 543 effective through Spring 2014.
SASE545	Title	Theory and Practice of Teaching the Bilingual Child.
	Number and type of credits	3 hours lecture.
	Course Description	Methodology, and teaching the bilingual student in content areas, i.e., social

		<p>studies, language arts, mathematics and science. Special emphasis is given to the evaluation of methodology and to instructional materials available for bilingual students. Attention will also be given to the study of operational programs with (as far as practicable) visitation and observation. Required for bilingual certification. Previous course CURR 545 effective through Spring 2014.</p>
SASE546	<p>Title Number and type of credits Course Description</p>	<p>Education of the Gifted and Talented. 3 hours lecture. Course will focus on the components necessary for planning and implementing programs for gifted and talented students: definition and identification procedures, alternative organizational patterns, curriculum design, instructional strategies and materials, teacher selection and program evaluation. Previous course CURR 546 effective through Spring 2014.</p>
SASE548	<p>Title Number and type of credits Course Description</p>	<p>Meeting the Social and Emotional Needs of the Gifted. 3 hours lecture. This course explores the various social and emotional needs of students who are gifted. The course focuses not only on the perceived deficits of these students, but on their social and emotional strengths as well. In addition, a variety of types of gifted students and their particular needs are discussed. Those include students who are underachievers, gifted students with disabilities, the twice exceptional, gifted boys, gifted girls, young gifted children, gifted minority students, highly creative students, and the highly gifted. The issue of parenting gifted students is also addressed. Previous course CURR 548 effective through Spring 2014.</p>
SASE558	<p>Title Prerequisites Number and type of credits Course Description</p>	<p>Interdisciplinary Curriculum. SASE 530. 3 hours lecture. This course will examine interdisciplinary curriculum from both a historical perspective and as a current model of curriculum design. Previous course CURR 558 effective through Spring 2014.</p>
SASE560	<p>Title Number and type of credits Course Description</p>	<p>Inquiry into Knowledge, Learning and Education. 2 hours lecture, 7 hours other. This course focuses on the development of three distinct, but interconnected, understandings about knowledge, learning, and adolescent identity within urban</p>

communities outside of school. Through personal learning autobiographies and hands-on learning activities, students come to understand how and why they learn and how their personal learning histories affect them in different contexts. They also study the lives and learning of urban youth, and explore the urban community. Through reflection they acquire new understandings about the nature of knowledge, the lives of urban youth and communities, and the processes and products of learning. Their understanding of knowledge construction and learning is applied to the teaching and learning of math and science in non-traditional settings. Field trips, internships in community-based organizations, book groups, an online discussion forum and a student study form the core activities of this full-time experience. Previous course CURR 560 effective through Spring 2014.

SASE561 Title  
 Prerequisites  
 Special Fee  
 Number and type of credits

Inquiry into Knowledge, Learning, and Schooling.  
 SASE 560.  
 Special fee.  
 3 hours lecture, 9 hours other.

SASE561 Course Description

This course focuses on assessing and building on students' prior knowledge, strengths, and needs, planning curriculum and instruction, and teaching math or science. Residents learn to use student data to plan differentiated math or science instruction. They explore how students' learning histories affect their classroom achievement and learn about students' lives outside the classroom. They also plan math/science teaching around how students do their best learning, gather data about what student learning looks like through formal and informal assessments, and create action plans for addressing the learning needs of students. These concepts are developed primarily through an apprenticeship with a classroom-based mentor in math or science during which residents co-teach the mentor's full teaching assignment, develop and teach units and lessons, and collaboratively engage in action research with the mentor. Additionally, residents participate in instructional rounds and a weekly half-day seminar and are observed by university education, subject area, and school based faculty. Previous course CURR 561 effective through Spring 2014.

SASE562	<p>Title</p> <p>Prerequisites</p> <p>Special Fee</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Inquiry into Teaching and Schooling.</p> <p>SASE 560, SASE 561.</p> <p>Special fee.</p> <p>1 hour lecture and 10 hours other.</p> <p>Builds on teacher residents' prior knowledge &amp; experience planning for student learning in math &amp; science. Residents employ pedagogical content knowledge in designing &amp; implementing classroom activities, assessments, &amp; units of study. They learn to evaluate their teaching effectiveness &amp; adjust their instruction based on monitoring learning through formative &amp; summative assessments. Special attention is given to addressing the needs of students with disabilities &amp; English lang learners, &amp; supporting differentiated instruction through the use of educational technologies. The residents engage in math/science curriculum study. They explore how curriculum is developed, why it is selected, &amp; the epistemological theory that informs the curriculum &amp; its implementation. Residents examine the school culture &amp; engage in professional relationships with all members of the school community. Takes place primarily through an apprenticeship with a classroom-based mentor during which residents co-teach the mentor's full teaching assignment, develop &amp; teach units &amp; lessons, &amp; collaboratively engage in action research with the mentor. Additionally, residents participate in instructional rounds &amp; a weekly half-day seminar, &amp; are observed by university education, subject area &amp; school based faculty. Previous course CURR 562 effective through Spring 2014.</p>
SASE563	<p>Title</p> <p>Prerequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Reflections on Teaching and Learning.</p> <p>SASE 560, SASE 561, SASE 562.</p> <p>1 hour lecture, 2 hours other.</p> <p>In this course, residents focus on developing themselves as reflective practitioners who take seriously their roles as classroom teachers, lifelong learners, and agents of change for the betterment of public education. Residents explore the structures and history of various educational policies that impact their work in schools. Their knowledge helps them learn to negotiate power and authority inside and outside classrooms and schools. Residents reflect on their math/science teaching and learning beliefs and practices through the preparation and presentation of a digital portfolio. Sample lesson plans, samples of student work, a statement of teaching and</p>

learning, and action research project report(s) are some of the artifacts to be included. Students present their portfolios in research roundtables composed of fellow residents, mentor teachers and other school-based colleagues, as well as members of the surrounding community. As residents examine who they have become as teachers over the past year, they think

SASE563	Course Description	broadly about the context of their teaching and the external societal, historical, political, economic, and social influences that shape their emerging identity as professional teachers. Previous course CURR 563 effective through Spring 2014.
SASE605	Title Prerequisites Course Description	Practicum in Teaching. Departmental approval. The student initiates and completes an independent study project within the fields of curriculum and instruction. Previous course CURR 605 effective through Spring 2014.
SASE610	Title Prerequisites Course Description	Independent Study in Curriculum and Teaching. Departmental approval. An opportunity for practicing teachers to develop and implement curricula under the guidance of curriculum development specialists. Student should discuss proposal with a faculty sponsor in the department of Curriculum and Teaching and secure permission prior to registration. Especially appropriate for teachers involved in "T and E" planning. May be repeated once for a maximum of 6.0 credits. Previous course CURR 610 effective through Spring 2014.
SASE620	Title Prerequisites Course Description	Clinical Internship in Urban Education I. Departmental approval. The semester-long field experience is designed to provide a student with teaching experience in an urban school. The authentic experience is guided and supervised by school district and university supervisors. University supervisors will represent both the field of education and the academic discipline the student is teaching. A student is required to meet all school district requirements and obligations of a full-time teacher. All students enrolled in this course will have been matriculated in a specialized teacher

SASE621	Title Prerequisites Course Description	education program for urban teaching. Previous course CURR 620 effective through Spring 2014. Clinical Internship in Urban Education II. Departmental approval. The semester-long field experience is designed to provide a student with teaching experience in an urban school. The authentic experience is guided and supervised by school district and university supervisors. University supervisors will represent both the field of education and the academic discipline the student is teaching. A student is required to meet all school district requirements and obligations of a full-time teacher. All students enrolled in this course will have been matriculated in a specialized teacher education program for urban teaching. Previous course CURR 621 effective through Spring 2014.
SASE635	Title Prerequisites Number and type of credits Course Description	Research Seminar in Curriculum Construction. SASE 532 OR SASE 533. 3 hours seminar. Individual advanced work in curriculum construction. Admission upon approval of the instructor. Previous course CURR 635 effective through Spring 2014.
SASE650	Title Prerequisites Number and type of credits Course Description	Transitional Seminar. EDFD 503 and matriculation in MEd program. 2 hours seminar. This course provides participants with an opportunity to integrate major content of Phase I and set goals for remainder of program. Previous course CURR 650 effective through Spring 2014.
SASE654	Title Course Description	Professional Development Modules I. The Professional Development Modules provide an individualized learning experience for M.Ed. students through which they demonstrate and/or develop their competency in areas deemed critical for all effective teachers. The
SASE654	Course Description	specific competency areas will change as research further enhances our understanding of teaching and learning. M.Ed. Candidates must master the competencies required at the time they enroll in the course. This four-credit course may not be repeated. Previous course CURR 654 effective through Spring

SASE670	Title Course Description	2014. Culminating Activity. This is the final course of the M.Ed program. Each teacher is responsible for implementing, at a field site, the activity he/she planned in Transitional Seminar II, and then evaluating and disseminating the results. Previous course CURR 670 effective through Spring 2014.
SASE680	Title Course Description	Selected Topics in Curriculum and Teaching. Topics vary in accordance with needs, concerns, or requests of school districts, teachers, faculty and students, or professional organizations desiring additional study in a particular area of curriculum and/or teaching. Current problems, concerns and issues are given priority. Credits are dependent upon number of hours, workshops and/or seminars that are appropriate to the topic. May be repeated twice for a maximum of 6.0 credits as long as the topic is different. Previous course CURR 680 effective through Spring 2014.
SASE681	Title Prerequisites Corequisites Special Fee Number and type of credits Course Description	Leadership in Content and Instruction. Admission to M.Ed.in Teacher Leadership program. SASE 682 and SASE 683. Special fee. 2 hours lecture. The purpose of this course is to enrich teacher leaders' capacity to lead by example in their classrooms, develop knowledge for practice in their content area, and deepen their understanding of the knowledge, purposes, methods, and forms of their content area. Teacher leaders will have the opportunity to immerse themselves in the construction of knowledge through inquiry with internship experiences and by developing a conceptual map of knowledge in the content area, understanding how that knowledge is developed, why it is important, and how that knowledge is communicated to others. In conjunction with SASE 682 and 683, teacher leaders will lead by example through the development of an interdisciplinary curricular unit based on the content that they have gained and an emphasis on the process of how they gained that content. May be repeated once for a maximum of 4.0 credits. Previous course CURR 681 effective through Spring 2014.
SASE682	Title	Leadership in Curriculum.

	Prerequisites	Admission to M.Ed.in Teacher Leadership program.
	Corequisites	SASE 681 and SASE 683.
	Special Fee	Special fee.
	Number and type of credits	3 hours lecture.
	Course Description	This course explores theories and practices of curriculum development for high quality instruction and enhanced student learning and achievement. It provides teacher leaders with the habits of mind, skills, tools and resources to lead by example and to analyze and evaluate curriculum quality and effectiveness. Teacher leaders will study the history and differing models of curriculum development as well as state standards and apply their understandings to design high quality, developmentally appropriate, interdisciplinary, and standards-aligned curriculum for diverse students, including those with special needs and English Language Learners. May be repeated once for a maximum of 6.0 credits. Previous course CURR 682 effective through Spring 2014.
SASE683	Title	Fieldwork Experience in Content, Instruction and Curriculum.
	Prerequisites	Admission to M.Ed.in Teacher Leadership program.
SASE683	Corequisites	SASE 681 and SASE 682.
	Special Fee	Special fee.
	Number and type of credits	2 hours lab.
	Course Description	Teacher leaders will deepen their content knowledge by reconnecting with their discipline in a discipline-based experience. Following this extra-curricular experience, they will implement a curriculum unit of their own design in their classrooms. Selection and redesign of the curriculum unit will occur in SASE 681 and SASE 682. Implementation of the unit, evidence of teaching, and a reflection on the discipline-based experience will occur in this field course. May be repeated once for a maximum of 4.0 credits. Previous course CURR 683 effective through Spring 2014.
SASE684	Title	Leadership in Self-Study and Action Research of Teaching Practices.
	Prerequisites	SASE 681 and SASE 682 and SASE 683.
	Corequisites	SASE 685 and specialization course.
	Number and type of credits	3 hours lecture.



Course Description

This course guides teacher leaders to develop a form of inquiry that parallels their understandings of teaching and learning. It provides teacher leaders with the tools and resources necessary to examine their own practice as the center of their investigation and later share their findings with other teachers. Participating in a cycle of inquiry, teachers will design a self-study that focuses on an authentic question that has emerged from their teaching in the classroom or school setting. They will utilize a variety of different research methods such as action research and narrative research to collect and analyze data. They will be invited to share their research process with their colleagues to reflect on the process of self-study and the ways in which it has begun to impact their teaching. The research proposal from this course becomes the basis for the Teacher Leadership culminating project concluded in SASE 693. May be repeated once for a maximum of 6.0 credits. Previous course CURR 684 effective through Spring 2014.

SASE685

Title

Field Experience in Self-Study/Action Research of Teaching Practices.

Prerequisites

SASE 681 and SASE 682 and SASE 683.

Corequisites

SASE 684 and specialization course.

Number and type of credits

1 hour lab.

Course Description

This course, taken in conjunction with CURR 684 and a specialization course, will provide teacher leaders with the opportunity to examine their classroom practices from a content area specialist/researcher's perspective. Through this investigation, teacher leaders will design a self-study/action research proposal, which features their emerging research question, their description of their context, a literature review, research design, and methods and data analysis. This field experience will provide them with time to collect preliminary data. May be repeated once for a maximum of 2.0 credits. Previous course CURR 685 effective through Spring 2014.

SASE686

Title

Leadership in Teaching and Learning.

Prerequisites

SASE 681 and SASE 682 and SASE 683.

Corequisites

SASE 687 and SASE 688.

Number and type of credits

3 hours lecture.

Course Description

This course brings together current ideas and literature in a critical exploration of the interrelationship between learners and instruction. It provides teacher leaders with tools and resources to evaluate and develop

their own views of learning, knowledge and pedagogy and to apply these understandings to their own practice. Teacher leaders will study examples from a variety of settings that illustrate common interests and concerns in teaching and learning with an emphasis on professional learning, research-based instructional practices, and the quality of reflective practice and self-study of teaching. May be repeated once for a maximum of 6.0

SASE686	Course Description	credits. Previous course CURR 686 effective through Spring 2014.
SASE687	Title	Leadership in Assessment.
	Prerequisites	SASE 681 and SASE 682 and SASE 683.
	Corequisites	SASE 686 and SASE 688.
	Number and type of credits	3 hours lecture.
	Course Description	This course is intended to provide prospective teacher leaders with knowledge and skills for evaluating and understanding student growth and learning across diverse educational settings. It presents theory and practice of assessment for teachers and other professionals, with an emphasis on classroom evaluation and assessment procedures consistent with the New Jersey Core Curriculum Content Standards. Teacher leaders are encouraged to analyze current assessment policies and practices - their own as well as local and national - and to consider assessment practice from the point of view of learners and how they experience learning opportunities, and to relate these aspects to an evaluation of their own assessment practice and its development. May be repeated once for a maximum of 6.0 credits. Previous course CURR 687 effective through Spring 2014.
SASE688	Title	Fieldwork in Teaching, Learning and Assessment.
	Prerequisites	SASE 681 and SASE 682 and SASE 683.
	Corequisites	SASE 686 and SASE 687.
	Course Description	This field experience will immerse teacher leaders in a cycle of assessment, teaching, and learning by practicing skills, engaging in ongoing reflection, and enacting a self-study regarding the effectiveness of one's efforts. To do this, teacher leaders enrolled in fieldwork will implement assignments from the corequisite courses SASE 686 and SASE 687. May be repeated once for a maximum of 2.0 credits. Previous course CURR 688 effective through Spring

SASE689	<p>Title</p> <p>Prerequisites</p> <p>Corequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>2014.</p> <p>Leadership in Professional Development.</p> <p>SASE 681, SASE 682, SASE 683, SASE 684, SASE 685, SASE 686, SASE 687, and specialization course.</p> <p>SASE 690 and SASE 691.</p> <p>3 hours lecture.</p> <p>This course brings together research and practice in a critical exploration of professional development and teacher learning. It provides teacher leaders with the tools and resources to be able to develop their own understanding of the role of communities of practice and professional development in teacher learning. Students will study what research tells us about effective and ineffective professional development forms, focusing particularly on those that involve teacher leadership. We will examine the role of technology and data analysis in teacher learning and how it is most effectively used in professional development. Students will identify professional development needs in their school and then work to develop professional development plans and programs to meet those needs, incorporating technology and their understanding of effective professional development practices. May be repeated once for a maximum of 6.0 credits. Previous course CURR 689 effective through Spring 2014.</p>
SASE690	<p>Title</p> <p>Prerequisites</p> <p>Corequisites</p> <p>Number and type of credits</p> <p>Course Description</p>	<p>Dynamics of Leadership.</p> <p>SASE 684, SASE 685, SASE 686, SASE 687, SASE 688, and specialization course.</p> <p>SASE 689 and SASE 691.</p> <p>3 hours lecture.</p> <p>This course brings together theories and practices of group dynamics and organizational behavior drawn from work inside and outside of schools for critical application to the work of prospective teacher leaders. A major focus of the course will be on understanding and applying the processes of building collegial relationships and communication across constituent groups.</p>
SASE690	<p>Course Description</p>	<p>The course will examine barriers to change and leadership, and will explore strategies for building a community across traditional boundaries while remaining sensitive to school context. The process of educating for</p>

		mentoring/coaching expertise, the dissemination of information on teaching and learning, and fostering collaboration among education professionals are also essential topics for this course. May be repeated once for a maximum of 6.0 credits. Previous course CURR 690 effective through Spring 2014.
SASE691	Title	Field Experience in Professional Development and Dynamics of Leadership.
	Prerequisites	SASE 681, SASE 682, SASE 683, SASE 684, SASE 685, SASE 686, SASE 687, and specialization course.
	Corequisites	SASE 689 and SASE 690.
	Number and type of credits	1 hour lab.
	Course Description	Teacher leaders will implement a professional development plan of their own design in their schools. Design of the professional development plan will occur in SASE 689 and SASE 690. Implementation of the plan, assessment of implementation and the plan as a whole, and a reflection on the implementation will occur in this field course. Feedback and assessment of the plan will be submitted in fulfillment of the course requirement. May be repeated once for a maximum of 2.0 credits. Previous course CURR 691 effective through Spring 2014.
SASE692	Title	Leadership for Impact: People, Policies and Practice.
	Prerequisites	SASE 681, SASE 682, SASE 683, SASE 684, SASE 685, SASE 686, SASE 687, SASE 688, SASE 689, and SASE 690.
	Number and type of credits	3 hours lecture.
	Course Description	This course brings together theories and practices of education policy and law that have had an impact on teacher education, certification, and licensure. It provides teacher leaders with the habits of mind, skills, tools and resources to analyze and evaluate the effectiveness of education policy and law through the lens of teacher education. Teacher leaders will study the history that has shaped the development of these education policies and laws on local, state, and federal levels, and will consider the impact of politics, the courts, and public opinion. They will apply these understandings in order to critique policies derived from current federal legislation and will explore their roles as advocates for teachers, students and families. May be repeated once for a maximum of 6.0 credits. Previous course CURR 692 effective through Spring 2014.
SASE693	Title	Research Mentorship.

	Prerequisites	SASE 684, SASE 685, and one specialization course.
	Corequisites	Second specialization course.
	Number and type of credits	1 hour lab.
	Course Description	Teacher leaders will conduct a capstone research project under the close supervision of an assigned faculty member who has expertise in the area of research. Teacher leaders will collect data based upon the proposal designed in SASE 685, analyze that data, and present their findings (in a formal venue). Successful completion of Research Mentorship meets the Graduate School's Comprehensive Exam/Capstone Project requirement for graduation. May be repeated once for a maximum of 2.0 credits. Previous course CURR 693 effective through Spring 2014.
SCIF110	Title	Introduction to Science Informatics.
	Special Fee	Special fee.
	Number and type of credits	3 hours lecture.
	Course Description	This course introduces students, including Science Informatics majors, to timely topics encompassed in the interdisciplinary field of science informatics. Students learn about genomics, drug discovery, geographic information systems and other science topics with a hands-on, ethics-focused
SCIF110	Course Description	case study approach.
SCIF151	Title	Colloquium in Science Informatics I.
	Prerequisites	Science Informatics majors only.
	Number and type of credits	1 hour seminar.
	Course Description	This course introduces Science Informatics majors to the University, the department of the College of Science and Mathematics, the culture of higher education and the field of science informatics. Students learn about campus resources and activities, careers in science informatics and techniques that foster the development of good study skills and academic success. Issues related to health, wellness, diversity and prejudice are investigated. Meets Gen Ed 2002 - New Student Seminar.
SCIF152	Title	Colloquium in Science Informatics II.
	Prerequisites	Science Informatics majors only.
	Number and type of credits	1 hour seminar.