

# MEMORANDUM

## Faculty Senate Approved 9/21/2017

TO: Deans and Chairs  
 FROM: Becky Bitter, Sr. Assistant Registrar  
 DATE: September 13, 2017  
 SUBJECT: Minor Change Bulletin No. 1

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	Revise Drop	Current	Proposed	Effective Date
AFS	101	Revise	<b>Introduction to Agricultural and Food Systems 3 Course</b> <del>Prerequisite: ANIM SCI 101 or concurrent enrollment; HORT 102 or concurrent enrollment.</del> Introduction to the disciplines and integration of the fields of agriculture, food production, manufacturing and distribution to define and solve real-world problems. Typically offered Fall.	<b>Introduction to Agricultural and Food Systems 3</b> Introduction to the disciplines and integration of the fields of agriculture, food production, manufacturing and distribution to define and solve real-world problems. Typically offered Fall.	1-18
BIOLOGY	473	Revise	<b>[CAPS] [M] Evolution and Society 3 Course</b> Prerequisite: ANTH 260 or BIOLOGY 301; junior standing. Survey of how <del>evolutionary theory</del> is used to better understand ourselves <del>and the societies in which we exist and interact with others.</del> (Crosslisted course offered as BIOLOGY 473, ANTH 473).	<b>[CAPS] [M] Evolution and Society 3 Course</b> Prerequisite: ANTH 260 or BIOLOGY 301; junior standing. Survey of how <u>the theory of evolution</u> is used to better understand ourselves, <u>the societies in which live, and the biological world on which we depend.</u> Recommended preparation: <u>BIOLOGY 405 or concurrent enrollment.</u> (Crosslisted course offered as BIOLOGY 473, ANTH 473).	1-18
CE	450	Revise	<b>Water Resource Engineering Design 3 Course</b> Prerequisite: CE 351 with a C or better; certified major in Civil Engineering. <del>Hydraulic design and planning of facilities associated with gravity</del>	<b>Water Resource Engineering Design 3 Course</b> Prerequisite: CE 351 with a C or better; certified major in Civil Engineering. <u>Design and implementation of engineered hydraulic and hydrologic</u>	8-17

			controlled and pressurized flow. Cooperative: Open to UI degree-seeking students.	<u>systems; site assessment; distribution networks; remediation systems; sustainable use; restoration; project-based.</u> Cooperative: Open to UI degree-seeking students.	
CE	498	Revise	<b>Special Topics in Civil Engineering V</b> 1-4 May be repeated for credit; cumulative maximum 6 hours. Contemporary topics in civil engineering. Typically offered Fall and Spring.	<b>Special Topics in Civil Engineering V</b> 1-4 May be repeated for credit; cumulative maximum 6 hours. <u>Course Prerequisite: Certified major in Civil Engineering or Construction Engineering.</u> Contemporary topics in civil engineering. Typically offered Fall and Spring.	8-17
CE	506	Revise	<b>Theory and Measurement of Turbulent Fluxes 3</b> Fundamental concepts of turbulence and turbulent fluxes in the atmospheric surface later, the statistical description of turbulence and turbulent fluxes, eddy covariance systems, and post-filed processing of flux data.	<b>Theory and Measurement of Turbulent Fluxes 3</b> Fundamental concepts of turbulence and turbulent fluxes in the atmospheric surface later, the statistical description of turbulence and turbulent fluxes, eddy covariance systems, and post-filed processing of flux data. <u>Cooperative: Open to UI degree-seeking students.</u>	8-17
CE	508	Revise	<b>Concrete Durability 3</b> Introduction to concrete durability, serviceability, and life cycle assessment; physical and chemical mechanisms of concrete degradation; corrosion of steel reinforcement in concrete; materials selection, specification, proportioning, and construction for durable concrete; testing and appraisal for durable concrete; and repair and rehabilitation of concrete structures. Typically offered Fall.	<b>Concrete Durability 3</b> Introduction to concrete durability, serviceability, and life cycle assessment; physical and chemical mechanisms of concrete degradation; corrosion of steel reinforcement in concrete; materials selection, specification, proportioning, and construction for durable concrete; testing and appraisal for durable concrete; and repair and rehabilitation of concrete structures. Typically offered Fall. <u>Cooperative: Open to UI degree-seeking students.</u>	8-17
CE	550	Revise	<b>Hydroclimatology 3</b> Water and energy budgets as they relate to climate, dynamics; and remote sensing, statistical, and modeling techniques for hydroclimatology.	<b>Hydroclimatology 3</b> Water and energy budgets as they relate to climate, dynamics; and remote sensing, statistical, and modeling techniques for hydroclimatology.	8-17

				<u>Cooperative: Open to UI degree-seeking students.</u>	
<b>CE</b>	<b>562</b>	<b>Revise</b>	<b>Advanced Subsurface Flow and Transport 3</b> Analysis of the dynamics of subsurface fluid flow in porous media that give rise to contaminant transport behaviors at multiple scales; emphasis on developing a qualitative knowledge of the features that cause deviations from idealized transport behaviors and the mathematical tools required to model transport in natural, heterogeneous aquifers for both passive and reactive solutes. Typically offered Spring.	<b>Advanced Subsurface Flow and Transport 3</b> Analysis of the dynamics of subsurface fluid flow in porous media that give rise to contaminant transport behaviors at multiple scales; emphasis on developing a qualitative knowledge of the features that cause deviations from idealized transport behaviors and the mathematical tools required to model transport in natural, heterogeneous aquifers for both passive and reactive solutes. Typically offered Spring. <u>Cooperative: Open to UI degree-seeking students.</u>	<b>8-17</b>
<b>CE</b>	<b>564</b>	<b>Revise</b>	<b>Numerical Methods 3</b> Numerically assisted solution of linear and nonlinear systems of equations with an emphasis on environmental applications. Eulerian and Lagrangian solutions of systems of steady-state and transient partial differential equations including various flow, transport, and geochemical problems; fundamentals of parallel solution techniques. Recommended preparation: fluid mechanics, differential equations, and basic knowledge of computer programming. Typically offered Spring.	<b>Numerical Methods 3</b> Numerically assisted solution of linear and nonlinear systems of equations with an emphasis on environmental applications. Eulerian and Lagrangian solutions of systems of steady-state and transient partial differential equations including various flow, transport, and geochemical problems; fundamentals of parallel solution techniques. Recommended preparation: fluid mechanics, differential equations, and basic knowledge of computer programming. Typically offered Spring. <u>Cooperative: Open to UI degree-seeking students.</u>	<b>8-17</b>
<b>CHE / <u>BIO ENG</u></b>	<b>310</b>	<b>Revise</b>	<b>Introduction to Transport Processes 3</b> Course Prerequisite: CHE 201 with a C or better; MATH 315 with a C or better or concurrent enrollment; certified major in Chemical Engineering or Bioengineering. Fundamentals of the phenomena governing the transport of momentum, energy, and mass.	<b>Introduction to Transport Processes 3</b> Course Prerequisite: CHE 201 with a C or better; MATH 315 with a C or better or concurrent enrollment; certified major in Chemical Engineering or Bioengineering. Fundamentals of the phenomena governing the transport of momentum, energy, and mass. <u>(Crosslisted course</u>	<b>8-17</b>

				offered as CHE 310, BIO ENG 310).	
CHE	498	Revise	<b>Technical Seminar 1</b> May be repeated for credit; cumulative maximum 2 hours. Course Prerequisite: Certified major in Chemical Engineering. Typically offered Fall and Spring. S, F grading.	<b>Technical Seminar 1</b> May be repeated for credit; cumulative maximum 2 hours. Course Prerequisite: Certified major in Chemical Engineering. Typically offered Spring. S, F grading.	1-18
CHEM	542	Revise	<b>Advanced Organic Chemistry 3</b> Synthesis of organic compounds; recent developments from current literature.	<b>Advanced Organic Chemistry 3</b> Synthesis of organic compounds; recent developments from current literature. Typically offered Fall. Cooperative: Open to UI degree-seeking students.	8-17
CPT S	355	Revise	<b>Programming Language Design 3</b> Course Prerequisite: CPT S 223 with a C or better; certified major in Computer Science, Computer Engineering, or Electrical Engineering. Design concepts of high-level programming languages; survey of existing languages, experience using some languages. Typically offered Fall and Spring.	<b>Programming Language Design 3</b> Course Prerequisite: CPT S 223 with a C or better; certified major in Computer Science, Computer Engineering, Electrical Engineering, or Software Engineering. Design concepts of high-level programming languages; survey of existing languages, experience using some languages. Typically offered Fall and Spring.	8-17
CROP SCI / HORT / SOIL SCI	495		<b>Research Experience V 1-4</b> May be repeated for credit; cumulative maximum 12 hours. Planned and supervised undergraduate research experience. (Crosslisted course offered as CROP SCI 495, HORT 495, SOIL SCI 495).	<b>Research Experience V 1-4</b> May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: Not open to graduate students. Planned and supervised undergraduate research experience. (Crosslisted course offered as CROP SCI 495, HORT 495, SOIL SCI 495).	8-17
E M	521	Drop	<b>Integrated Project Delivery Methods 3</b> Understanding the different processes by which the procedures and components of a project are organized to complete the project.	--N/A--	8-17
E M	524	Drop	<b>Program and Facilities Management 3</b> An introduction to the methods required for planning, designing, constructing, and operation of the	--N/A--	8-17

			capital resources for an organization's facilities.		
<b>E M</b>	<b>566</b>	<b>Revise</b>	<b>System Engineering Analysis and Practice 3</b> Course Prerequisite: E M 565. Problem-solving methodologies based on system concepts and design applications for complex, large-scale technical systems pertinent to program managers.	<b>Systems Analysis and Practice 3</b> Course Prerequisite: E M 565. Problem-solving methodologies based on system concepts and design applications for complex, large-scale technical systems pertinent to program managers.	<b>1-18</b>
<b>ECONS</b>	<b>426</b>		<b>Transportation Economics 3</b> Course Prerequisite: ECONS 301; ECONS 311. <del>Transportation economics and relevant transportation modeling; policy issues and concerns.</del>	<b>Transportation Economics and Supply Chain Analysis 3</b> Course Prerequisite: ECONS 301; ECONS 311. <u>In-depth analysis and application in transport economics, modeling, and policy evaluation across all transportation modes.</u>	<b>8-17</b>
<b>ED PSYCH</b>	<b>468</b>	<b>Revise</b>	<b>Classroom Assessment, Secondary 3</b> Principles and practice of high-quality classroom assessment in secondary schools. Typically offered Fall and Spring.	<b>Classroom Assessment, Secondary 3</b> Course <u>Prerequisite: TCH LRN 317; TCH LRN 464; TCH LRN 465; TCH LRN 466; for candidates admitted to teacher education (secondary education).</u> Principles and practice of high-quality classroom assessment in secondary schools. Typically offered Fall and Spring.	<b>8-17</b>
<b>HBM</b>	<b>280</b>	<b>Revise</b>	<b>Hospitality Systems 3</b> Management functions relating to the planning and operational <del>policies of various hotel departments.</del> Typically offered Fall and Spring.	<b>Hospitality Systems 3</b> Management functions relating to the planning and operation of various <u>lodging, food, and beverage businesses.</u> Typically offered Fall and Spring.	<b>8-17</b>
<b>HBM</b>	<b>350</b>	<b>Revise</b>	<b>Beverage Management 3</b> Beverage operations; detailed study of wines and spirits; consideration of social impacts such as trends in consumption. Typically offered Fall and Spring.	<b>Beverage Management 3</b> <u>Course Prerequisite: Certified in any major or minor. Must be 21.</u> Beverage operations; detailed study of wines and spirits; consideration of social impacts such as trends in consumption. Typically offered Fall and Spring.	<b>8-17</b>
<b>HBM</b>	<b>491</b>	<b>Revise</b>	<b>Operational Analysis 3</b> Course Prerequisite: ACCTG 231; MGTOP 215; FIN 325; HBM 280; certified major in the	<b>Operational Analysis 3</b> Course Prerequisite: ACCTG 231; MGTOP 215 <u>or STAT 212</u> ; FIN 325; HBM 280; certified major	<b>8-17</b>

			College of Business, or certified minor in Hospitality Business Management. Using management tools in analyzing operational effectiveness of hotel and restaurant organizations. Typically offered Fall and Spring.	in the College of Business, or certified minor in Hospitality Business Management. Using management tools in analyzing operational effectiveness of hotel and restaurant organizations. Typically offered Fall and Spring.	
<b>MBIOS</b>	<b>465</b>	<b>Revise</b>	<b>Principles of Biophysical Chemistry 3 Course</b> Prerequisite: MBIOS 303; MATH 140 or 171; PHYSICS 102 or 202. Biochemical reactions and processes, molecular recognition, coupled reactions, enzyme catalysis, analysis of macromolecular structure by electrophoresis, sedimentation, viscosity, and spectroscopy. Typically offered Spring.	<b>Principles of Biophysical Chemistry 3 Course</b> Prerequisite: MBIOS 303; MATH 140 or 171; PHYSICS 102 <u>or concurrent enrollment</u> , or <u>PHYSICS 202 or concurrent enrollment</u> . Biochemical reactions and processes, molecular recognition, coupled reactions, enzyme catalysis, analysis of macromolecular structure by electrophoresis, sedimentation, viscosity, and spectroscopy. Typically offered Spring.	<b>8-17</b>
<b>MGMT</b>	<b>450</b>	<b>Revise</b>	<b>Personnel and Human Resources Management 3 Course</b> Prerequisite: MGTOP 215 or PSYCH 311; MGMT 301; certified major or minor in the College of Business, or option of Personnel Psychology & Human Resource Management. Policy and practice in human resource utilization, selecting, training, motivating, evaluating, and compensating employees; labor relations; EEO legislation.	<b>Personnel and Human Resources Management 3 Course</b> Prerequisite: MGTOP 215, PSYCH 311, <u>or STAT 212</u> ; MGMT 301; certified major or minor in the College of Business, or option of Personnel Psychology and Human Resource Management. Policy and practice in human resource utilization, selecting, training, motivating, evaluating, and compensating employees; labor relations; EEO legislation.	<b>1-18</b>
<b>NATRS</b>	<b>446</b>	<b>Revise</b>	<b>[M] Wildlife Habitat Ecology 3 (2-3) Course</b> Prerequisite: SOIL SCI 368. The ecology of how wildlife use, respond to, and affect resources in their environment. Typically offered Spring.	<b>[M] Wildlife Habitat Ecology 3 (2-3) Course</b> Prerequisite: SOIL SCI 368 <u>or concurrent enrollment</u> . The ecology of how wildlife use, respond to, and affect resources in their environment. Typically offered Spring.	<b>8-18</b>
<b>NEP</b>	<b>370</b>	<b>Drop</b>	<b>Physiological Biochemistry 3 Course</b> Prerequisite: 8 hours of CHEM; 3 hours BIOLOGY. Biochemical foundations of	--N/A--	<b>8-17</b>

			human physiology; biochemistry of carbohydrate, amino acid, and lipid homeostasis from the molecular to the physiological level.		
<b>NEP</b>	<b>401</b>	<b>Drop</b>	<b>Community Supervised Practice 9</b> Course Prerequisite: Certified major in nutrition and exercise physiology, or admitted to the Master of Science in Coordinated Program in Dietetics, Nutrition, and Exercise Physiology. Advanced principles of community dietetic nutrition education along with hands-on community supervised practice experience.	<b>--N/A--</b>	<b>8-17</b>
<b>NEP</b>	<b>437</b>	<b>Drop</b>	<b>Diet Therapy 4</b> Course Prerequisite: Certified major in nutrition and exercise physiology, or admitted to the Master of Science in Coordinated Program in Dietetics, Nutrition, and Exercise Physiology. Theoretical and practical base for diet modification and nutritional therapy in health and a variety of disease states.	<b>--N/A--</b>	<b>8-17</b>
<b>NEP</b>	<b>440</b>	<b>Drop</b>	<b>Clinical Supervised Practice 11</b> Course Prerequisite: Certified major in nutrition and exercise physiology, or admitted to the Master of Science in Coordinated Program in Dietetics, Nutrition, and Exercise Physiology. Professional supervised experience offsite in clinical dietetics. Meets American Dietetic Association requirements for registration eligibility. S, F grading.	<b>--N/A--</b>	<b>8-17</b>
<b>NEP</b>	<b>451</b>	<b>Drop</b>	<b>Management Practices in Food Science 5 (1-12)</b> Course Prerequisite: Certified major in nutrition and exercise physiology, or admitted to the Master of Science in Coordinated Program in Dietetics, Nutrition, and Exercise Physiology.	<b>--N/A--</b>	<b>8-17</b>

			Advanced principles of food systems; institutional food service management along with offsite, hands-on food service supervised practice experience.		
PSYCH	311	Revise	<b>[QUAN] Elementary Statistics in Psychology</b> 4 Course Prerequisite: ENGR 107, MATH 105, 106, 107, 108, 140, 171, 172, 202, 252, MGTOP 215, STAT 205, or STAT 212 <del>with a grade of C- or better</del> . Descriptive statistics, probability, and inference; design and interpretation of research. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	<b>[QUAN] Elementary Statistics in Psychology</b> 4 Course Prerequisite: <u>One of the following with a C- or better:</u> ENGR 107, MATH 103 or higher, MGTOP 215, STAT 205, STAT 212, or <u>a minimum ALEKS math placement score of 45%</u> . Descriptive statistics, probability, and inference; design and interpretation of research. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	8-17
PSYCH	542	Revise	<b>Evidence-Based Therapy for Children and Adolescents</b> 3 Course Prerequisite: PSYCH 543. Theoretical and evidence-based approaches to intervention with children and adolescents.	<b>Evidence-Based Therapy for Children and Adolescents</b> 3 Course Prerequisite: <u>Ph.D. student in Psychology</u> . Theoretical and evidence-based approaches to intervention with children and adolescents.	8-18
SHS	477	Revise	<b>Aural Rehabilitation</b> 3 Theories and methods in aural rehabilitation for persons who are <del>hearing impaired</del> ; amplification; educational audiology; counseling techniques.	<b>Aural Rehabilitation</b> 3 Theories and methods in aural rehabilitation for persons who are <u>hard of hearing</u> ; amplification; educational audiology; counseling techniques.	8-18
SHS	588	Revise	<b>Advanced Speech Sound Disorders and Acquisition</b> 2 Current literature in articulatory development and deviancy; diagnosis and therapy. SHS graduate student; all undergraduate prerequisite courses completed.	<b>Advanced Speech Sound Disorders</b> 2 Current literature in articulatory development and deviancy; diagnosis and therapy. SHS graduate student; all undergraduate prerequisite courses completed.	8-18
SOC	368	Revise	<del><b>Sociological Theories of Addictive Behavior</b> 3 Alcohol use and abuse in the context of other legal and illegal substances focusing on theories and drug policies. Recommended preparation: SOC 101.</del>	<b>Drugs and Society</b> 3 <u>Social issues in drug use and addiction; drug policy.</u>	1-18



SOC	474	Revise	<del>Collective Behavior and Social Movements</del> 3 Course Prerequisite: Junior standing. <del>Processes of collective behavior and social movements</del> in historical and contemporary societies. Recommended preparation: SOC 101.	<b>Social Movements</b> 3 Course Prerequisite: Junior standing. <u>Social movements, processes, and social change</u> in historical and contemporary societies. Recommended preparation: SOC 101.	1-18
SPEC ED	401	Revise	<b>Teaching Students with Disabilities</b> 3 Course Prerequisite: SPEC ED 301 or 420. Intervention and instructional strategies for managing academic, social, and behavior problems in classroom settings. Credit not granted for both SPEC ED 401 and SPEC ED 501. Required preparation must include completion of an introductory special education course, or SPEC ED 520. Offered at 400 and 500 level. Typically offered Fall.	<b>Teaching Students with Disabilities</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> , or <u>SPEC ED 420 or concurrent enrollment</u> . Intervention and instructional strategies for managing academic, social, and behavior problems in classroom settings. Credit not granted for both SPEC ED 401 and SPEC ED 501. Required preparation must include completion of an introductory special education course, or SPEC ED 520. Offered at 400 and 500 level. Typically offered Fall.	8-17
SPEC ED	402	Revise	<b>Assessment and Curriculum for Students with Disabilities</b> 3 Course Prerequisite: SPEC ED 301; <del>SPEC ED 404; concurrent enrollment in 2 credits of SPEC ED 490</del> . Methods of individual and group, formal and informal assessment for students with disabilities. Credit not granted for both SPEC ED 402 and SPEC ED 502. Graduate level required preparation must include completion of an introductory special education course, or SPEC ED 520; SPEC ED 504; concurrent enrollment SPEC ED 590 (2 credits). Offered at 400 and 500 level. Typically offered Spring.	<b>Assessment and Curriculum for Students with Disabilities</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> . Methods of individual and group, formal and informal assessment for students with disabilities. Credit not granted for both SPEC ED 402 and SPEC ED 502. Graduate level required preparation must include completion of an introductory special education course, or SPEC ED 520; SPEC ED 504; concurrent enrollment SPEC ED 590 (2 credits). Offered at 400 and 500 level. Typically offered Spring.	8-17
SPEC ED	403	Revise	<b>Secondary Education for Students with Disabilities</b> 3 Course Prerequisite: SPEC ED 301 or 420; <del>SPEC ED 404</del> . Overview of instruction and	<b>Secondary Education for Students with Disabilities</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> , or <u>SPEC ED 420 or concurrent</u>	8-17

			intervention strategies for secondary students with disabilities; assessment, and curriculum/program development. Credit not granted for both SPEC ED 403 and SPEC ED 503. Required preparation must include completion of an introductory special education course, or SPEC ED 520; SPEC ED 504; or permission of instructor. Offered at 400 and 500 level. Typically offered Spring.	<u>enrollment</u> . Overview of instruction and intervention strategies for secondary students with disabilities; assessment, and curriculum/program development. Credit not granted for both SPEC ED 403 and SPEC ED 503. Required preparation must include completion of an introductory special education course, or SPEC ED 520; SPEC ED 504; or permission of instructor. Offered at 400 and 500 level. Typically offered Spring.	
<b>SPEC ED</b>	<b>404</b>	<b>Revise</b>	<b>Professional Skills in Special Education</b> 3 Course Prerequisite: SPEC ED 301 or 420. Legal aspects of special education, individualized education plans, roles and responsibilities of teachers, collaboration techniques, service delivery/design, and supervision of paraprofessionals. Credit not granted for both SPEC ED 404 and SPEC ED 504. Required preparation must include completion of an introductory special education course, SPEC ED 520. Offered at 400 and 500 level. Typically offered Fall and Summer.	<b>Professional Skills in Special Education</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> , or <u>SPEC ED 420 or concurrent enrollment</u> . Legal aspects of special education, individualized education plans, roles and responsibilities of teachers, collaboration techniques, service delivery/design, and supervision of paraprofessionals. Credit not granted for both SPEC ED 404 and SPEC ED 504. Required preparation must include completion of an introductory special education course, SPEC ED 520. Offered at 400 and 500 level. Typically offered Fall and Summer.	<b>8-17</b>
<b>SPEC ED</b>	<b>409</b>	<b>Revise</b>	<b>Early Childhood Special Education</b> 3 Course Prerequisite: SPEC ED 301 or 420. Assessment, curriculum, and instructional techniques for teaching young children with handicaps and their families in a variety of settings. Credit not granted for both SPEC ED 409 and SPEC ED 509. Required preparation must include completion of an introductory special education course, or SPEC ED 520. Offered at 400	<b>Early Childhood Special Education</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> , or <u>SPEC ED 420 or concurrent enrollment</u> . Assessment, curriculum, and instructional techniques for teaching young children with handicaps and their families in a variety of settings. Credit not granted for both SPEC ED 409 and SPEC ED 509. Required preparation must include completion of an introductory special education	<b>8-17</b>

			and 500 level. Typically offered Fall and Summer.	course, or SPEC ED 520. Offered at 400 and 500 level. Typically offered Fall and Summer.	
<b>SPEC ED</b>	<b>421</b>	<b>Revise</b>	<b>Inclusion Strategies for Special Education Teachers</b> 3 Course Prerequisite: SPEC ED 301; <del>SPEC ED 404</del> . Roles and responsibilities of special education professionals in inclusion programs, including legal aspects and collaboration. Credit not granted for both SPEC ED 421 and SPEC ED 521. Required preparation must include completion of an introductory special education course, or SPEC ED 520; SPEC ED 504. Offered at 400 and 500 level. Typically offered Fall and Summer.	<b>Inclusion Strategies for Special Education Teachers</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> . Roles and responsibilities of special education professionals in inclusion programs, including legal aspects and collaboration. Credit not granted for both SPEC ED 421 and SPEC ED 521. Required preparation must include completion of an introductory special education course, or SPEC ED 520; SPEC ED 504. Offered at 400 and 500 level. Typically offered Fall and Summer.	<b>8-17</b>
<b>SPEC ED</b>	<b>440</b>	<b>Revise</b>	<b>Methods in Intensive Educational Supports</b> 3 Course Prerequisite: SPEC ED 301 or 420. Assessment, curriculum development and modification, and instructional methods for students with severe disabilities. Credit not granted for both SPEC ED 440 and SPEC ED 540. Required preparation must include completion of an introductory special education course, or SPEC ED 520. Offered at 400 and 500 level. Typically offered Spring.	<b>Methods in Intensive Educational Supports</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> , or <u>SPEC ED 420 or concurrent enrollment</u> . Assessment, curriculum development and modification, and instructional methods for students with severe disabilities. Credit not granted for both SPEC ED 440 and SPEC ED 540. Required preparation must include completion of an introductory special education course, or SPEC ED 520. Offered at 400 and 500 level. Typically offered Spring.	<b>8-17</b>
<b>SPEC ED</b>	<b>471</b>	<b>Revise</b>	<del>(470)</del> <b>Effective Assessment and Instruction in Reading for Diverse Learners</b> 3 Course Prerequisite: SPEC ED 301 or 420. Methods and approaches to reading assessment and designing, implementing evidence-based reading interventions. Credit not granted for both SPEC ED 471 and 571. Offered at 400 and 500 level.	<b>Effective Assessment and Instruction in Reading for Diverse Learners</b> 3 Course Prerequisite: SPEC ED 301 <u>or concurrent enrollment</u> , or <u>SPEC ED 420 or concurrent enrollment</u> . Methods and approaches to reading assessment and designing, implementing evidence-based reading interventions. Credit not granted	<b>8-17</b>

			Typically offered Spring and Summer.	for both SPEC ED 471 and 571. Offered at 400 and 500 level. Typically offered Spring and Summer.	
TCH LRN	464	Revise	<b>Curriculum, Instruction and Content Literacy Methods 3</b> Development of curriculum, instruction and content literacy materials and methods for teaching in the secondary school classroom. Typically offered Fall and Spring.	<b>Curriculum, Instruction and Content Literacy Methods 3</b> <u>Course Prerequisite: For candidates admitted to teacher education (secondary education).</u> Development of curriculum, instruction and content literacy materials and methods for teaching in the secondary school classroom. Typically offered Fall and Spring.	8-17
TCH LRN	466	Revise	<b>Secondary Methods of Educational Technology 2 (1-2)</b> Integration of technologies for teaching and learning within the 9-12 classrooms; hands-on development of technology enhanced activities and lessons. Typically offered Fall and Spring.	<b>Secondary Methods of Educational Technology 2 (1-2)</b> <u>Course Prerequisite: For candidates admitted to teacher education (secondary education).</u> Integration of technologies for teaching and learning within the 9-12 classrooms; hands-on development of technology enhanced activities and lessons. Typically offered Fall and Spring.	8-17
TCH LRN	467	Revise	<b>[M] Adolescence, Community, and School 3 Course</b> Prerequisite: TCH LRN 464; TCH LRN 465; for candidates admitted to teacher education (secondary education). Understanding the socio-cultural dynamics of adolescence and youth cultures and the roles they play in secondary schools. Typically offered Fall and Spring.	<b>[M] Adolescence, Community, and School 3 Course</b> Prerequisite: <u>TCH LRN 317</u> ; TCH LRN 464; TCH LRN 465; <u>TCH LRN 466</u> ; for candidates admitted to teacher education (secondary education). Understanding the socio-cultural dynamics of adolescence and youth cultures and the roles they play in secondary schools. Typically offered Fall and Spring.	8-17
TCH LRN	470	Revise	<b>Special Education, Transition, and Classroom Management for Secondary General Education Teachers 3 Course</b> Prerequisite: TCH LRN 464; TCH LRN 465; for candidates admitted to teacher education (secondary education). Overview of special education topics,	<b>Special Education, Transition, and Classroom Management for Secondary General Education Teachers 3 Course</b> Prerequisite: <u>TCH LRN 317</u> ; TCH LRN 464; TCH LRN 465; <u>TCH LRN 466</u> ; for candidates admitted to teacher education (secondary education). Overview	8-17

			transition practices, and classroom management techniques for general education classrooms. Typically offered Fall and Spring.	of special education topics, transition practices, and classroom management techniques for general education classrooms. Typically offered Fall and Spring.	
UNIV	300	Revise	<b>Accessing Information for Research 1</b> <del>Effective research strategies in the disciplines, including emerging information resources, such as Internet.</del>	<b>Accessing Information for Research 1</b> <u>Scholarly research process and strategies, with emphasis on electronic resources for conducting academic research in the disciplines.</u>	8-17
WOMEN ST	485		<b>[M] Theoretical Issues in Gay and Lesbian Studies 3</b> Course Prerequisite: WOMEN ST 484 or 300-400-level WOMEN ST course. Theoretical construction and interpretation of sexualities, gender, and identity.	<b>[M] Theoretical Issues in Queer Studies 3</b> Course Prerequisite: WOMEN ST 484 or 300-400-level WOMEN ST course. Theoretical construction and interpretation of sexualities, gender, and identity.	8-18