

MEMORANDUM

Faculty Senate approved January 24, 2019

TO: Deans and Chairs
 FROM: Becky Bitter, Sr. Assistant Registrar
 DATE: January 17, 2019
 SUBJECT: Minor Change Bulletin No. 8

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
ATH T	290	Revise	Pre-Clinical Education 2 (1-2) Experience with the profession of athletic training, and the WSU Athletic Training Program. Typically offered Spring.	Pre-Clinical Education 2 (1-2) <u>Course Prerequisite: Certified major in Sports Medicine or MAT program.</u> Experience with the profession of athletic training, and the WSU Athletic Training Program. Typically offered Spring.	1-19
E E	234	Revise	Microprocessor Systems 4 (3-3) Course Prerequisite: CPT S 422 with a C or better; E E 214 with a C or better. Microprocessor system architecture, instruction sets, and interfacing; assembly language programming. Typically offered Fall and Spring.	Microprocessor Systems 4 (3-3) Course Prerequisite: CPT S <u>121</u> with a C or better; E E 214 with a C or better. Microprocessor system architecture, instruction sets, and interfacing; assembly language programming. Typically offered Fall and Spring.	5-19
E E / CPT S	470	Drop	Concepts in Biotechnology 3 Course Prerequisite: [B] or [BSCI] GER or UCORE with a C or better; concurrent enrollment in E E 415, E E 416, CPT S 421, CPT S 423, ENTRP 496, ENGR 420, or ENGR 421; certified major in Electrical Engineering, Computer Science, or Computer Engineering. Fundamentals of biological sciences and biotechnology for engineers and computer	--N/A--	1-19

			scientists. (Crosslisted course offered as E E 470, CPT S 470). Typically offered Fall.		
E E	477	Drop	Analog Integrated Circuits Laboratory 2 (1-3) Course Prerequisite: concurrent enrollment in E E 476; certified major in Electrical Engineering, Computer Science, or Computer Engineering. Laboratory applications of E E 476 including the computer-aided design of analog integrated circuits; emphasis on design documentation and reporting.	--N/A--	1-19
E M	470 / 570	Revise	Systems Improvement: Integrating TOC, Lean, and Six Sigma 3 Quality management programs, quality assurance, statistical quality control concepts and product design reliability. Credit not granted for both E M 470 and 570. Offered at 400 and 500 level. Typically offered Fall.	Systems Improvement: Integrating TOC, Lean, and Six Sigma 3 <u>Leveraging Theory of Constraints, Lean, and Six Sigma to achieve integrated systems level improvement.</u> Credit not granted for both E M 470 and 570. Offered at 400 and 500 level. Typically offered Fall.	1-19
ECONS	425	Revise	Industrial Organization 3 Course Prerequisite: ECONS 301. Economic theories of firm behavior and the influence of market industry parameters; buyer/seller concentration, information asymmetries, product differentiation, and entry conditions.	Industrial Organization 3 Course Prerequisite: ECONS 301 <u>or 305</u> . Economic theories of firm behavior and the influence of market industry parameters; buyer/seller concentration, information asymmetries, product differentiation, and entry conditions.	8-19
ECONS	426	Revise	Transportation Economics and Supply Chain Analysis 3 Course Prerequisite: ECONS 301; ECONS 311. In-depth analysis and application in transport economics, modeling, and policy evaluation across all transportation modes.	Transportation Economics and Supply Chain Analysis 3 Course Prerequisite: ECONS 301 <u>or 305</u> ; ECONS 311. In-depth analysis and application in transport economics, modeling, and policy evaluation across all transportation modes.	8-19
ECONS	452	Revise	[M] Advanced Business Management Economics 3 Course Prerequisite: ECONS 301; MATH 171 or MATH	[M] Advanced Business Management Economics 3 Course Prerequisite: ECONS 301 <u>or 305</u> ; MATH 171 or 202;	8-19

			202; MGTOP 215 or STAT 212. Topics in business management economics and strategy, from demand and supply to bargaining, contracting, pricing strategies, and market structure. Recommended preparation: ECONS 350 or ECONS 352 as required background. Typically offered Fall.	MGTOP 215 or STAT 212. Topics in business management economics and strategy, from demand and supply to bargaining, contracting, pricing strategies, and market structure. Recommended preparation: ECONS 350 or ECONS 352 as required background. Typically offered Fall.	
ECONS	490	Revise	[CAPS] [M] Economics Capstone 3 Course Prerequisite: ECONS 301; ECONS 302; ECONS 311; average of these three courses needs to be a 2.0 GPA or better. Integration of economic theory and field courses; assessment. Typically offered Fall and Spring.	[CAPS] [M] Economics Capstone 3 Course Prerequisite: ECONS 301 <u>or</u> <u>305</u> ; ECONS 302; ECONS 311; average of these three courses needs to be a 2.0 GPA or better. Integration of economic theory and field courses; assessment. Typically offered Fall and Spring.	8-19
HBM	401	Revise	Career Management 1 Course Prerequisite: Certified major in the College of Business, or certified minor in Hospitality Business Management. Career management preparation including mock/traditional/panel interviews, resume/cover letter critiques, offer evaluations, negotiation and networking.	Career Management 1 Course Prerequisite: Certified in <u>any major</u> . Career management preparation including mock/traditional/panel interviews, resume/cover letter critiques, offer evaluations, negotiation and networking.	8-19
HBM	490	Revise	Food and Beverage Operational Analysis 3 Course Prerequisite: MKTG 360; certified major in College of Business or certified minor in Hospitality Business Management or Wine and Beverage Business Management; senior standing. Theory and practice of new product/service innovation and process, beverage/brand marketing, logistics/distribution concerns, sales and marketing efforts, and legal and regulatory concerns for development of innovative beverage or food and beverage concepts.	Food and Beverage Operational Analysis 3 Course Prerequisite: MKTG 360; certified major in College of Business or certified minor in Hospitality Business Management or Wine and Beverage Business Management; senior standing. Theory and practice of new product/service innovation and process, beverage/brand marketing, logistics/distribution concerns, sales and marketing efforts, and legal and regulatory concerns for development of innovative beverage or food	1-19

			Typically offered Fall and Spring.	and beverage concepts. Typically offered Fall.	
HBM	493	Revise	[CAPS] Food and Beverage Strategies 3 Course Prerequisite: HBM 358; HBM 490; HBM 494; certified major in Carson College of Business or minor in Hospitality Business Management; senior standing. Use of the case method and integrative projects, with a focus on food and beverage new product development and new service development practices in hospitality, wine and beverage organizations.	[CAPS] Food and Beverage Strategies 3 Course Prerequisite: HBM 358; HBM 490; HBM 494; certified major in Carson College of Business or minor in Hospitality Business Management; senior standing. Use of the case method and integrative projects, with a focus on food and beverage new product development and new service development practices in hospitality, wine and beverage organizations. Typically offered Spring.	1-19
HISTORY / ASIA	483	Revise	[CAPS] Medicine, Science, and Technology in World History 3 Course Prerequisite: Junior standing. The emergence of modern technological society with emphasis on scientific development and exchange among world civilizations across history.	[CAPS] Medicine, Science, and Technology in World History 3 Course Prerequisite: Junior standing. The emergence of modern technological society with emphasis on scientific development and exchange among world civilizations across history. (Crosslisted course offered as HISTORY 483 and ASIA 483).	1-19
HORT	416 / 516	Revise	Advanced Horticultural Crop Physiology 3 Course Prerequisite: BIOLOGY 106, BIOLOGY 107, BIOLOGY 120, or HORT 202; junior standing. Physiological processes related to growth, development, and productivity of horticultural crops; advances in recombinant DNA technology; the impact on horticultural practices. Credit not granted for both HORT 416 and HORT 516. Recommended preparation: BIOLOGY 420. Offered at 400 and 500 level. Typically offered Spring.	Advanced Horticultural Crop Physiology 3 Course Prerequisite: BIOLOGY 106, BIOLOGY 107, BIOLOGY 120, or HORT 202; junior standing. Physiological processes related to growth, development, and productivity of horticultural crops; advances in recombinant DNA technology; the impact on horticultural practices. Credit not granted for both HORT 416 and HORT 516. Recommended preparation: BIOLOGY 420. Offered at 400 and 500 level. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	1-19

ME	416	Revise	<p>[CAPS] Mechanical Systems Design 3 (1-6) Course Prerequisite: ME 304; ME 348; ME 415; certified major in Mechanical Engineering; senior standing. Integrative design in mechanical engineering; multidisciplinary design project considering both technical and non-technical contexts; organizational dynamics and communications.</p>	<p>[CAPS] Mechanical Systems Design 3 (1-6) Course Prerequisite: <u>Certified major in Mechanical Engineering; ME 304; ME 348; ME 415; senior standing; OR certified major in Materials Science Engineering; MSE 320; MSE 413 or concurrent enrollment; one of MSE 401, 402, or 403; senior standing.</u> Integrative design in mechanical engineering; multidisciplinary design project considering both technical and non-technical contexts; organizational dynamics and communications.</p>	1-19
ME	474	Revise	<p>Design for Manufacture and Modern Manufacturing Strategies 3 Course Prerequisite: ME 310. Design for manufacture and assembly; modern manufacturing philosophies and practices; lean manufacturing; manufacturing cost and time analysis; quality control. Typically offered Spring.</p>	<p>Design for Manufacture and Modern Manufacturing Strategies 3 Course Prerequisite: ME 310. Design for manufacture and assembly; modern manufacturing philosophies and practices; lean manufacturing; manufacturing cost and time analysis; quality control. Typically offered Spring. <u>Cooperative: Open to UI degree-seeking students.</u></p>	1-19
MED CLIN	598	Revise	<p>Research Experience in Medicine 4 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: MED CLIN 524; departmental permission. In-depth research experience including data-gathering, statistical analyses, and writing research results in preparation for publication. H, S, F grading.</p>	<p>Research Experience in Medicine 4 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: <u>Departmental permission.</u> In-depth research experience including data-gathering, statistical analyses, and writing research results in preparation for publication. H, S, F grading.</p>	5-19
MED CLIN	599	Revise	<p>Special Projects 4 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: MED CLIN 524; departmental permission. Laboratory research, clinical research, or comprehensive review of selected subjects. H, S, F grading.</p>	<p>Special Projects 4 May be repeated for credit; cumulative maximum 12 hours. Course Prerequisite: <u>Departmental permission.</u> Laboratory research, clinical research, or comprehensive review of selected subjects. H, S, F grading.</p>	5-19

MSE	426	Revise	[M] Senior Thesis II 3 (0-9) Course Prerequisite: MSE 320; MSE 323, senior standing; certified major in Materials Science Engineering. Research in materials science and engineering. Typically offered Fall, Spring, and Summer.	[M] Senior Thesis II 3 (0-9) Course Prerequisite: MSE 320; MSE 323; <u>MSE 425</u> ; certified major in Materials Science Engineering; senior standing. Research in materials science and engineering. Typically offered Fall, Spring, and Summer.	8-19
NEUROSCI / GLANTH / MBIOS / <u>PHIL</u> / VET MICR / VET PATH / VET PH	564	Revise	Topics in Biomedical Experimentation V 1-3 May be repeated for credit; cumulative maximum 6 hours. Examination of the philosophy of experimental design and practical application and analysis of various experimental approaches in biomedical research. Recommended preparation: graduate standing in a WSU biomedical-based program, and an advanced undergraduate or graduate statistics course. (Crosslisted course offered as NEUROSCI 564, GLANHLTH 564, MBIOS 564, VET MICR 564, VET PATH 564, VET PH 564). Typically offered Fall.	Topics in Biomedical Experimentation V 1-3 May be repeated for credit; cumulative maximum 6 hours. Examination of the philosophy of experimental design and practical application and analysis of various experimental approaches in biomedical research. Recommended preparation: graduate standing in a WSU biomedical-based program, and an advanced undergraduate or graduate statistics course. (Crosslisted course offered as NEUROSCI 564, GLANHLTH 564, MBIOS 564, <u>PHIL 564</u> , VET MICR 564, VET PATH 564, VET PH 564). Typically offered Fall.	1-19
NURS	501	Revise	Psychiatric Assessment, Diagnosis, and Management of Children and Adolescents 3 Course Prerequisite: NURS 530; NURS 562; admission to PMHNP program. Introduction to assessment, diagnosis, and management of psychiatric illnesses common in children and adolescents. Typically offered Spring.	Psychiatric Assessment, Diagnosis, and Management of Children and Adolescents 3 Course Prerequisite: NURS 530; NURS 562; admission to PMHNP program. Introduction to assessment, diagnosis, and management of psychiatric illnesses common in children and adolescents.	1-19
NURS	502	Revise	Psychiatric Assessment, Diagnosis, and Management of Adults and Geriatrics 3 Course Prerequisite: NURS 530; NURS 562; admission to PMHNP program. Introduction to assessment, diagnosis, and management of psychiatric illnesses common in adults and	Psychiatric Assessment, Diagnosis, and Management of Adults and Geriatrics 3 Course Prerequisite: NURS 530; NURS 562; admission to PMHNP program. Introduction to assessment, diagnosis, and management of psychiatric	1-19

			geriatrics. Typically offered Spring .	illnesses common in adults and geriatrics.	
NURS	503	Revise	Scientific Inquiry in Nursing 2 Course prerequisite: Admission to Nursing graduate program. Scientific inquiry applied to theoretical and philosophical foundations in nursing. Typically offered Fall, Spring, and Summer .	Scientific Inquiry in Nursing 2 Course prerequisite: Admission to Nursing graduate program. Scientific inquiry applied to theoretical and philosophical foundations in nursing.	1-19
NURS	504	Revise	Evidence-Based Practice 3 Course prerequisite: Admission to Nursing graduate program. Exploration of evidence-based practice through the conduct of scientific inquiry and application of credible evidence, best practice guidelines and outcomes management reports. Typically offered Fall, Spring, and Summer .	Evidence-Based Practice 3 Course prerequisite: Admission to Nursing graduate program. Exploration of evidence-based practice through the conduct of scientific inquiry and application of credible evidence, best practice guidelines, and outcomes management reports.	1-19
NURS	505	Revise	Analytical Foundations for Practice Inquiry 3 Course prerequisite: NURS 503, NURS 504, and admission to Nursing graduate program; or post-master's DNP program. Application of quantitative methods and statistics in current health care to review, describe, and interpret the language of research. Typically offered Fall .	Analytical Foundations for Practice Inquiry 3 Course prerequisite: NURS 503, NURS 504, and admission to Nursing graduate program; or post-master's DNP program. Application of quantitative methods and statistics in current health care to review, describe, and interpret the language of research.	1-19
NURS	508	Revise	Diagnostics and Procedures for Primary Care Practice 2 (1-4) Course Prerequisite: NURS 562 or concurrent enrollment; NURS 563; NURS 581; admission to FNP program. Introduction to the selection and interpretation of diagnostic tests, and performance of minor procedures for primary care practice. Typically offered Fall .	Diagnostics and Procedures for Primary Care Practice 2 (1-4) Course Prerequisite: NURS 562 or concurrent enrollment; NURS 563; NURS 581; admission to FNP program. Introduction to the selection and interpretation of diagnostic tests, and performance of minor procedures for primary care practice.	1-19
NURS	509	Revise	Clinical Decision Making: Essential Concepts and	Clinical Decision Making: Essential Concepts and	1-19

			<p>Diagnostic Reasoning 3 Course Prerequisite: NURS 562 or concurrent enrollment; NURS 563; NURS 581; admission to the FNP program. A primary care framework for conducting systematic clinical encounters, developing differential diagnoses, and planning care for individuals and families. Typically offered Spring.</p>	<p>Diagnostic Reasoning 3 Course Prerequisite: NURS 562 or concurrent enrollment; NURS 563; NURS 581; admission to the FNP program. A primary care framework for conducting systematic clinical encounters, developing differential diagnoses, and planning care for individuals and families.</p>	
NURS	513	Revise	<p>Primary Care I: Health Promotion, Disease Prevention, and Disease Detection Across the Lifespan 3 Course Prerequisite: NURS 508; NURS 509; concurrent enrollment in NURS 514. Primary care approaches to health promotion, disease prevention, risk reduction, and disease detection for individuals and families across the life span. Typically offered Spring.</p>	<p>Primary Care I: Health Promotion, Disease Prevention, and Disease Detection Across the Lifespan 3 Course Prerequisite: NURS 508; NURS 509; concurrent enrollment in NURS 514. Primary care approaches to health promotion, disease prevention, risk reduction, and disease detection for individuals and families across the life span.</p>	1-19
NURS	514	Revise	<p>Primary Care Practicum I 2 (0-8) Course Prerequisite: NURS 508; NURS 509; concurrent enrollment in NURS 513. Primary care practicum experience focused on health promotion, disease prevention, and disease detection across the lifespan in primary health care. Typically offered Fall.</p>	<p>Primary Care Practicum I 2 (0-8) Course Prerequisite: NURS 508; NURS 509; concurrent enrollment in NURS 513. Primary care practicum experience focused on health promotion, disease prevention, and disease detection across the lifespan in primary health care.</p>	1-19
NURS	515	Revise	<p>Primary Care II: Acute Health Conditions Across the Lifespan 3 Course Prerequisite: NURS 513; NURS 514; concurrent enrollment in NURS 516. Clinical management and analysis of acute and common conditions presenting in the primary care setting, emphasizing a lifespan approach. Typically offered Spring.</p>	<p>Primary Care II: Acute Health Conditions Across the Lifespan 3 Course Prerequisite: NURS 513; NURS 514; concurrent enrollment in NURS 516. Clinical management and analysis of acute and common conditions presenting in the primary care setting, emphasizing a lifespan approach.</p>	1-19

NURS	516	Revise	Primary Care Practicum II 2 (0-8) Course Prerequisite: NURS 513; NURS 514; concurrent enrollment in NURS 515. Primary care practicum experience focused on acute and common conditions in individuals and families across the lifespan. Typically offered Spring.	Primary Care Practicum II 2 (0-8) Course Prerequisite: NURS 513; NURS 514; concurrent enrollment in NURS 515. Primary care practicum experience focused on acute and common conditions in individuals and families across the lifespan.	1-19
NURS	518	Revise	Translating Evidence into Practice 3 (2-3) Course prerequisite: NURS 553; NURS 565; NURS 591; admission to Nursing graduate program. Development of advanced skills for appraising and applying evidence in advanced practice. Typically offered Fall.	Translating Evidence into Practice 3 (2-3) Course prerequisite: NURS 553; NURS 565; NURS 591; admission to Nursing graduate program. Development of advanced skills for appraising and applying evidence in advanced practice.	8-19
NURS	521	Revise	Nursing Education: Teaching, Learning, Assessment, and Evaluation 3 Course prerequisite: Admission to Nursing graduate program. Exploration of concepts related to teaching and learning, assessment of diverse learning needs, instructional strategies and design, evaluation of performance outcomes. Typically offered Fall.	Nursing Education: Teaching, Learning, Assessment, and Evaluation 3 Course prerequisite: Admission to Nursing graduate program. Exploration of concepts related to teaching and learning, assessment of diverse learning needs, instructional strategies and design, evaluation of performance outcomes.	1-19
NURS	523	Revise	Nursing Education: Curriculum and Accreditation 3 Course prerequisite: NURS 521; admission to Nursing graduate program. Exploration of curriculum and accreditation history, development, future predictions; leadership, and policy development in academic and service settings. Typically offered Spring.	Nursing Education: Curriculum and Accreditation 3 Course prerequisite: NURS 521; admission to Nursing graduate program. Exploration of curriculum and accreditation history, development, future predictions; leadership, and policy development in academic and service settings.	1-19
NURS	530	Revise	Theory of Psychopharmacology and Safe Prescribing Practices 3 Course Prerequisite: NURS 563; NURS 581.	Theory of Psychopharmacology and Safe Prescribing Practices 3 Course Prerequisite: NURS 563; NURS 581.	1-19

			Psychopharmacology across the lifespan for clinical practice including pharmacokinetics, pharmacodynamics, principles of prescribing, client education, and outcome monitoring. Typically offered Fall.	Psychopharmacology across the lifespan for clinical practice including pharmacokinetics, pharmacodynamics, principles of prescribing, client education, and outcome monitoring.	
NURS	531	Revise	Culture, Populations, and Family Health Care 3 Course prerequisite: Admission to Nursing graduate program. Diverse health beliefs and practices of clients, families, and members of the interdisciplinary health care team. Typically offered Spring.	Culture, Populations, and Family Health Care 3 Course prerequisite: Admission to Nursing graduate program. Diverse health beliefs and practices of clients, families, and members of the interdisciplinary health care team.	1-19
NURS	537	Revise	Primary Care III: Chronic Health Conditions Across the Lifespan 3 Course Prerequisite: NURS 515; NURS 516; concurrent enrollment in NURS 538. Synthesis of clinical management approaches for care of individuals with chronic and complex conditions across the lifespan. Typically offered Spring.	Primary Care III: Chronic Health Conditions Across the Lifespan 3 Course Prerequisite: NURS 515; NURS 516; concurrent enrollment in NURS 538. Synthesis of clinical management approaches for care of individuals with chronic and complex conditions across the lifespan.	1-19
NURS	538	Revise	Primary Care Practicum III 2 (0-8) Course Prerequisite: NURS 515; NURS 516; concurrent enrollment in NURS 537. Primary care practicum focused on caring for individuals and families with complex and chronic health conditions across the lifespan. Typically offered Spring.	Primary Care Practicum III 2 (0-8) Course Prerequisite: NURS 515; NURS 516; concurrent enrollment in NURS 537. Primary care practicum focused on caring for individuals and families with complex and chronic health conditions across the lifespan.	1-19
NURS	540	Revise	NP Clinical Practicum V 1-10 May be repeated for credit; cumulative maximum 10 hours. Course Prerequisite: NURS 514 or 547. Primary Care Practicum experience requiring the supervised provision of increasingly complex direct patient care. Typically offered Fall, Spring, and Summer.	NP Clinical Practicum V 1-10 May be repeated for credit; cumulative maximum 10 hours. Course Prerequisite: NURS 514 or 547. Primary Care Practicum experience requiring the supervised provision of increasingly complex direct patient care.	1-19

NURS	544	Revise	Therapeutic Modalities I: Introduction to Therapies 3 Course Prerequisite: NURS 530; admission to PMHNP program. Initial theoretical training in individual and group therapy applicable across lifespan and cross-culturally. Typically offered Fall.	Therapeutic Modalities I: Introduction to Therapies 3 Course Prerequisite: NURS 530; admission to PMHNP program. Initial theoretical training in individual and group therapy applicable across lifespan and cross-culturally.	1-19
NURS	545	Revise	Therapeutic Modalities II 3 Course Prerequisite: NURS 544. PMHNP practicum experience with focused training in theory of individual and group therapies applicable across lifespan and cross-culturally. Typically offered Spring.	Therapeutic Modalities II 3 Course Prerequisite: NURS 544. PMHNP practicum experience with focused training in theory of individual and group therapies applicable across lifespan and cross-culturally.	1-19
NURS	547	Revise	Therapeutic Modalities in Practice 3 Course Prerequisite: NURS 545. PMHNP practicum clinical experience focused on development of therapy relationships in two modalities. Typically offered Spring.	Therapeutic Modalities in Practice 3 Course Prerequisite: NURS 545. PMHNP practicum clinical experience focused on development of therapy relationships in two modalities.	1-19
NURS	553	Revise	Organizational Systems and Leadership II_3 (2-3) Course Prerequisite: NURS 576 or concurrent enrollment. Integration of principal dimensions of healthcare policy evaluation, and quality improvement in a constantly changing health care environment. Typically offered Fall.	Organizational Systems and Leadership II_3 (2-3) Course Prerequisite: NURS 576 or concurrent enrollment. Integration of principal dimensions of healthcare policy evaluation, and quality improvement in a constantly changing health care environment.	8-19
NURS	554	Revise	Epidemiology and Biostatistics for Health Professions 3 Course Prerequisite: Admission to Nursing graduate program. Introduction to epidemiology: principles and methods of epidemiologic investigation including analysis of key elements of investigation of high risk populations. Required preparation must include	Epidemiology and Biostatistics for Health Professions 3 Course prerequisite: Admission to Nursing graduate program. Introduction to epidemiology: principles and methods of epidemiologic investigation including analysis of key elements of investigation of high risk populations. Required preparation must include college-level statistics course.	1-19

			college-level statistics course. Typically offered Fall.		
NURS	555	Revise	PMHNP Practicum I 3 (1-8) Course Prerequisite: NURS 501; NURS 530; admission to PMHNP program. Psychiatric mental health practicum experience focused on developing initial competency in the comprehensive PMHNP nursing role across the lifespan. Typically offered Spring.	PMHNP Practicum I 3 (1-8) Course Prerequisite: NURS 501; NURS 530; admission to PMHNP program. Psychiatric mental health practicum experience focused on developing initial competency in the comprehensive PMHNP nursing role across the lifespan.	1-19
NURS	556	Revise	Advanced Population Health V 2-6 Course prerequisite: Admission to Nursing graduate program. Culminating analysis, development, and enactment of advanced practice roles in teaching, practice, or administration of community-based/population-focused nursing. Typically offered Spring.	Advanced Population Health V 2-6 Course prerequisite: Admission to Nursing graduate program. Culminating analysis, development, and enactment of advanced practice roles in teaching, practice, or administration of community-based/population-focused nursing.	1-19
NURS	557	Revise	DNP Project I 3 (2-3) Course Prerequisite: NURS 518; NURS 553; NURS 554. Application of knowledge of current nursing science to the development of a proposal for the final DNP project. Typically offered Fall and Spring.	DNP Project I 3 (2-3) Course Prerequisite: NURS 518; NURS 553; NURS 554. Application of knowledge of current nursing science to the development of a proposal for the final DNP project.	8-19
NURS	558	Revise	DNP Project II 3 (1-6) Course Prerequisite: NURS 557 with a grade B or better. Development of program design plan and collection of data for the DNP Project. Typically offered Fall and Spring.	DNP Project II 3 (1-6) Course Prerequisite: NURS 557 with a grade B or better. Development of program design plan and collection of data for the DNP Project.	1-19
NURS	559	Revise	DNP Project III 3 (1-6) Course Prerequisite: NURS 558 with a grade B or better. Implementation and evaluation of the DNP Project. Typically offered Fall and Spring.	DNP Project III 3 (1-6) Course Prerequisite: NURS 558 with a grade B or better. Implementation and evaluation of the DNP Project.	1-19
NURS	560	Revise	PMHNP Practicum II 3 (0-12) Course Prerequisite: NURS 501; NURS 502; NURS 555; admission to PMHNP program.	PMHNP Practicum II 3 (0-12) Course Prerequisite: NURS 501; NURS 502; NURS 555; admission to PMHNP program.	1-19

			Clinical practicum experience focused on ongoing development of proficiency in the comprehensive lifespan PMHNP nursing role. Typically offered Spring.	Clinical practicum experience focused on ongoing development of proficiency in the comprehensive lifespan PMHNP nursing role.	
NURS	562	Revise	Advanced Health Assessment and Differential Diagnoses 3 (2-3) Course prerequisite: NURS 581 or concurrent enrollment; admission to Nursing graduate program. Applying health assessment and differential diagnostic skills to individuals, families, and populations in rural, urban, and medically under-served areas. Typically offered Spring.	Advanced Health Assessment and Differential Diagnoses 3 (2-3) Course prerequisite: NURS 581 or concurrent enrollment; admission to Nursing graduate program. Applying health assessment and differential diagnostic skills to individuals, families, and populations in rural, urban, and medically under-served areas.	1-19
NURS	563	Revise	Advanced Pharmacology 3 Course prerequisite: Admission to Nursing graduate program. Pharmacology for clinical practice including decision making, prescribing, drug monitoring, and patient education associated with prescriptive authority. Typically offered Spring.	Advanced Pharmacology 3 Course prerequisite: Admission to Nursing graduate program. Pharmacology for clinical practice including decision making, prescribing, drug monitoring, and patient education associated with prescriptive authority.	1-19
NURS	564	Revise	Family Health and Health Promotion of Populations 3 Interprofessional course analyzing the theoretical bases for developing and evaluating health promotion strategies tailored to variations in health behaviors. Typically offered Fall.	Family Health and Health Promotion of Populations 3 Interprofessional course analyzing the theoretical bases for developing and evaluating health promotion strategies tailored to variations in health behaviors.	8-19
NURS	565	Revise	Information Management for Clinical Practice 3 Course Prerequisite: NURS 505; NURS 576; admission to Nursing graduate program. Application/evaluation of nursing informatics; information systems to support clinical research, practice, administration, and education. Required preparation must include competency in word	Information Management for Clinical Practice 3 Course Prerequisite: NURS 505; NURS 576; admission to Nursing graduate program. Application/evaluation of nursing informatics; information systems to support clinical research, practice, administration, and education. Required preparation must	1-19

			processing/spreadsheets. Typically offered Fall and Spring.	include competency in word processing/spreadsheets.	
NURS	566	Revise	Community Analysis and Grant Development 2 Course prerequisite: Admission to Nursing graduate program. Application of core public health functions in community analysis, program development and program evaluation. Typically offered Fall.	Community Analysis and Grant Development 2 Course prerequisite: Admission to Nursing graduate program. Application of core public health functions in community analysis, program development and program evaluation.	1-19
NURS	573	Revise	Rational Prescribing 3 Course Prerequisite: NURS 563; admission to FNP program. Pharmacology for clinical practice including decision-making, prescribing, drug monitoring, and patient education associated with prescriptive authority. Typically offered Summer Session.	Rational Prescribing 3 Course Prerequisite: NURS 563; admission to FNP program. Pharmacology for clinical practice including decision-making, prescribing, drug monitoring, and patient education associated with prescriptive authority.	1-19
NURS	576	Revise	Organizational Systems and Leadership I 3 (2-3) Course prerequisite: NURS 503 and NURS 504; or admission as a post-master's DNP or PhD student. Analysis of organizational systems and the advanced nurse clinician's role as a leader for change. Typically offered Summer Session.	Organizational Systems and Leadership I 3 (2-3) Course prerequisite: NURS 503 and NURS 504; or admission as a post-master's DNP or PhD student. Analysis of organizational systems and the advanced nurse clinician's role as a leader for change.	8-18
NURS	577	Revise	Health Care Ethics V 2-3 Ethical theories including deontology, teleology, virtue ethics and applicability to ethical dilemmas in nursing. Credit not granted for both NURS 477 and NURS 577. Offered at 400 and 500 level. Typically offered Spring and Summer.	Health Care Ethics V 2-3 Ethical theories including deontology, teleology, virtue ethics and applicability to ethical dilemmas in nursing. Credit not granted for both NURS 477 and NURS 577. Offered at 400 and 500 level.	1-19
NURS	578	Revise	Plateau Tribes: Culture and Health 3 (2-3) Course Prerequisite: Admission to Nursing, Nutrition and Exercise Physiology, or Pharmacy	Plateau Tribes: Culture and Health 3 (2-3) Course Prerequisite: Admission to Nursing, Nutrition and Exercise Physiology, or Pharmacy	1-19

			graduate programs. History, culture, and health care needs of the Plateau Indian tribes; both classroom and practicum experience. Credit not granted for both NURS 478 and NURS 578. Offered at 400 and 500 level. Typically offered Spring.	graduate programs. History, culture, and health care needs of the Plateau Indian tribes; both classroom and practicum experience. Credit not granted for both NURS 478 and NURS 578. Offered at 400 and 500 level.	
NURS	581	Revise	Advanced Pathophysiology 3 Course prerequisite: Admission to Nursing graduate program. Etiology, pathogenesis, manifestations, and outcomes of disruption and dysfunction of human physiology. Typically offered Fall.	Advanced Pathophysiology 3 Course prerequisite: Admission to Nursing graduate program. Etiology, pathogenesis, manifestations, and outcomes of disruption and dysfunction of human physiology.	1-19
NURS	582	Revise	PMHNP Internship 3 Course Prerequisite: NURS 555 or admission to PMHNP program. A culminating internship focusing on the provision of comprehensive psychiatric mental health care to individuals and families across the lifespan. Typically offered Spring.	PMHNP Internship 3 Course Prerequisite: NURS 555 or admission to PMHNP program. A culminating internship focusing on the provision of comprehensive psychiatric mental health care to individuals and families across the lifespan.	1-19
NURS	584	Revise	Health Care Law, Policy, and Analysis 3 Course prerequisite: Admission to Nursing graduate program. Analysis of health care policy and delivery systems including access, disparity, barriers to care, social justice, vulnerability, and health outcomes. Typically offered Fall.	Health Care Law, Policy, and Analysis 3 Course prerequisite: Admission to Nursing graduate program. Analysis of health care policy and delivery systems including access, disparity, barriers to care, social justice, vulnerability, and health outcomes.	1-19
NURS	591	Revise	Introduction to Mixed Methods and Evaluation 3 Course Prerequisite: NURS 503, NURS 504, and NURS 554; or admission to post-master's DNP program and NURS 554. Program development, implementation, and outcomes evaluation in healthcare, primarily from a mixed methods and perspective. Typically offered Summer Session.	Introduction to Mixed Methods and Evaluation 3 Course Prerequisite: NURS 503, NURS 504, and NURS 554; or admission to post-master's DNP program and NURS 554. Program development, implementation, and outcomes evaluation in healthcare, primarily from a mixed methods and perspective.	1-19

NURS	597	Revise	Advanced Topics in Nursing V 1-3 May be repeated for credit; cumulative maximum 6 hours. Course prerequisite: Admission to Nursing graduate program. Specialized topics within the discipline; content will vary each term. Typically offered Fall, Spring, and Summer.	Advanced Topics in Nursing V 1-3 May be repeated for credit; cumulative maximum 6 hours. Course prerequisite: Admission to Nursing graduate program. Specialized topics within the discipline; content will vary each term.	1-19
NURS	598	Revise	Advanced Topics in Nursing V 1-3 May be repeated for credit; cumulative maximum 6 hours. Course prerequisite: Admission to Nursing graduate program. Specialized topics within the discipline; content will vary each term. Typically offered Fall, Spring, and Summer.	Advanced Topics in Nursing V 1-3 May be repeated for credit; cumulative maximum 6 hours. Course prerequisite: Admission to Nursing graduate program. Specialized topics within the discipline; content will vary each term.	1-19
NURS	599	Revise	Independent Study V 1-18 May be repeated for credit. Course prerequisite: Admission to Nursing graduate program. Typically offered Fall, Spring, and Summer. S, F grading.	Independent Study V 1-18 May be repeated for credit. Course prerequisite: Admission to Nursing graduate program. S, F grading.	1-19
NURS	700	Revise	Master's Research, Thesis, and/or Examination V 1-18 May be repeated for credit. Course prerequisite: Admission to Nursing graduate program. Independent research and advanced study for students working on their master's research, thesis and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 700 credit. Typically offered Fall, Spring, and Summer. S, U grading.	Master's Research, Thesis, and/or Examination V 1-18 May be repeated for credit. Course prerequisite: Admission to Nursing graduate program. Independent research and advanced study for students working on their master's research, thesis and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 700 credit. S, U grading.	1-19
NURS	702	Revise	Master's Special Problems, Directed Study, and/or Examination V 1-18 May be repeated for credit. Course prerequisite: Admission to Nursing graduate program.	Master's Special Problems, Directed Study, and/or Examination V 1-18 May be repeated for credit. Course prerequisite: Admission to Nursing graduate program.	1-19

			Independent research in special problems, directed study, and/or examination credit for students in a non-thesis master's degree program. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 702 credit. Typically offered Fall, Spring, and Summer. S, U grading.	Independent research in special problems, directed study, and/or examination credit for students in a non-thesis master's degree program. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 702 credit. S, U grading.	
PHARMACY	593	Revise	Residency Preparation 2 Course Prerequisite: Admission to Pharmacy program. An introduction to the residency experience and methods to succeed in attaining a pharmacy residency. Typically offered Spring. H, S, F grading.	Residency Preparation 2 Course Prerequisite: <u>PHARMACY 554</u> ; <u>PHARMACY 566</u> ; admission to Pharmacy program. An introduction to the residency experience and methods to succeed in attaining a pharmacy residency. Typically offered Spring. H, S, F grading.	8-19
PHYSICS	533	Revise	Thermal and Statistical Physics I 3 Thermodynamic laws and potentials, kinetic theory, hydrodynamics and transport coefficients; introduction to statistical mechanics, ensembles, partition functions. Typically offered Spring.	Thermal and Statistical Physics I 3 Thermodynamic laws and potentials, kinetic theory, hydrodynamics and transport coefficients; introduction to statistical mechanics, ensembles, partition functions. Typically offered Spring. <u>Cooperative: Open to UI degree-seeking students.</u>	1-19
PSYCH	309	Revise	Cultural Diversity in Organizations 3 Psychology applied to cultural diversity in organizations; interpersonal and intergroup relationships; diversity training; EEO legislation and affirmative action. Recommended preparation: PSYCH 105.	Diversity in Organizations 3 Psychology applied to cultural diversity in organizations; interpersonal and intergroup relationships; diversity training; EEO legislation and affirmative action. Recommended preparation: PSYCH 105.	1-19
PSYCH	311	Revise	[QUAN] Elementary Statistics in Psychology 4 Course Prerequisite: One of the following with a C- or better: ENGR 107, MATH 103 or higher, MGTOP 215, STAT 205, STAT 212, or a minimum ALEKS math placement score	[QUAN] Statistics in Psychology 4 Course Prerequisite: One of the following with a C- or better: ENGR 107, MATH 103 or higher, MGTOP 215, STAT 205, STAT 212, or a minimum ALEKS math placement score	1-19

			of 45%. Descriptive statistics, probability, and inference; design and interpretation of research. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	of 45%. Descriptive statistics, probability, and inference; design and interpretation of research. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	
PSYCH	312	Revise	[M] Experimental Methods in Psychology 4 (3-3) Course Prerequisite: PSYCH 210; PSYCH 311 with a grade of C- or better. Designing, conducting, and reporting research in selected areas of experimental psychology. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	[M] Research Methods in Psychology 4 (3-3) Course Prerequisite: PSYCH 210; PSYCH 311 with a grade of C- or better. Designing, conducting, and reporting research in selected areas of experimental psychology. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	1-19
PSYCH	321	Revise	Introduction to Personality 3 Theories, concepts, methods, discoveries in psychology of personality. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	Personality 3 Theories, concepts, methods, discoveries in psychology of personality. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	1-19
PSYCH	361	Revise	Principles of Developmental Psychology 3 Introduction to biological and psychosocial influences on infant, child and adolescent development. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	Developmental Psychology 3 Introduction to biological and psychosocial influences on infant, child and adolescent development. Recommended preparation: PSYCH 105. Typically offered Fall, Spring, and Summer.	1-19
PSYCH	403	Revise	Cultural Issues in Psychology 3 Multidisciplinary analyses of the relationship between social-ecological and political contexts and individual and collective psychology. (Crosslisted course offered as PSYCH 403, CES 403).	Multicultural Psychology 3 Multidisciplinary analyses of the relationship between social-ecological and political contexts and individual and collective psychology.	5-19
PSYCH	412	Revise	[CAPS] [M] Psychological Testing and Measurement 3 Course Prerequisite: PSYCH 311; junior standing. Introduction to test and survey development in clinical, organizational, and educational settings; assessment of	[CAPS] [M] Psychological Testing and Assessment 3 Course Prerequisite: PSYCH 311; junior standing. Introduction to test and survey development in clinical, organizational, and educational settings; assessment of	1-19

			attitudes, personality, and behavior. Recommended preparation: PSYCH 105.	attitudes, personality, and behavior. Recommended preparation: PSYCH 105.	
PSYCH	444	Revise	Basic Helping Skills 3 Course Prerequisite: 6 hours PSYCH. Training in basic skills to work with varied types of clients; didactic and role play instruction. Recommended preparation: PSYCH 105.	Basic Clinical Skills 3 Course Prerequisite: 6 hours PSYCH. Training in basic skills to work with varied types of clients; didactic and role play instruction. Recommended preparation: PSYCH 105.	1-19
PSYCH / CRM J / SOC	468	Revise	Addictive Behavior Across the Demographic Spectrum 3 Course Prerequisite: Junior standing. Overview of social, cultural and historical perspectives on dealing with addictive behavior. (Crosslisted course offered as PSYCH 468, CRM J 468, SOC 468). Recommended preparation: SOC 101, PSYCH 105, or CRM J 101.	Addictive Behavior Among Diverse Populations 3 Course Prerequisite: Junior standing. Overview of social, cultural, and historical perspectives on dealing with addictive behavior. (Crosslisted course offered as PSYCH 468, CRM J 468, SOC 468). Recommended preparation: SOC 101, PSYCH 105, or CRM J 101.	1-19
SHS	542	Revise	Infant and Toddler Communication and Language 3 Typical development of communication and language in the birth to 5 year-old population; impairments affecting development; disorders; assessment; intervention. SHS graduate student; all undergraduate prerequisite courses completed.	Infant and Toddler Communication and Language 2 <u>Developmental progression</u> of communication and language in <u>pediatric populations, with an emphasis on assessment and intervention for very young children and families.</u> SHS graduate student; all undergraduate prerequisite courses completed.	5-19
SHS	570	Revise	Advanced Internship in Speech-Language Pathology V 1-18 May be repeated for credit. Course Prerequisite: SHS 566 or SHS 568. Advanced practicum in diagnosis of and therapy for communication disorders. SHS graduate student; all undergraduate prerequisite courses completed. S, F grading.	Advanced Internship in Speech-Language Pathology V 1-18 May be repeated for credit. <u>By departmental consent only; must have a minimum grade of B in SHS 566, 568, and 575, and a minimum grade of C in all other SHS graduate coursework for internship placement.</u> Advanced practicum in diagnosis of and therapy for communication disorders. SHS graduate student; all undergraduate	5-19

				prerequisite courses completed. S, F grading.	
SHS	574	Revise	Neuropathologies of Language 2 Advanced study of language disorders resulting from brain insult after birth; emphasis on aphasia and related disorders. SHS graduate student; all undergraduate prerequisite courses completed.	Neuropathologies of Language and Cognition I 2 Study of <u>acquired language and cognitive disorders</u> resulting from <u>neurological damage (specific to left and right hemisphere-based disorders)</u> . SHS graduate student; all undergraduate prerequisite courses completed.	8-19
SOC	523	Revise	Qualitative Methods Practicum 3 Introduction to qualitative research methods as used in social sciences; epistemological underpinnings and empirical techniques. Recommended preparation: SOC 520. Typically offered Fall.	Qualitative Methods Practicum 3 Introduction to qualitative research methods as used in social sciences; epistemological underpinnings and empirical techniques. Recommended preparation: SOC 520. Typically offered Fall. <u>Cooperative: Open to UI degree-seeking students.</u>	1-19
VET MICR	592	Drop	Advances in Immunobiology 1 May be repeated for credit. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	--N/A--	1-19
WOMEN ST	201	Drop	Critical Frameworks in Gender Studies 3 Critical frameworks that interrogate gender discrimination and explore gender justice from an intersectional and interdisciplinary perspective. Typically offered Spring.	--N/A--	8-19
WOMEN ST / ENGLISH 310 / SOC	300	Revise	[DIVR] [M] Intersections of Race, Class, Gender and Sexuality 3 Course Prerequisite: CES 101, 201, SOC 101, WOMEN ST 101, or 201. Intersections between race, class and gender through case studies; experiences in interdisciplinary methods. (Crosslisted course offered as WOMEN ST 300, CES 300 , SOC 300). Typically offered Fall, Spring, and Summer.	[DIVR] [M] Intersections of Race, Class, Gender and Sexuality 3 Course Prerequisite: CES 101, 201, SOC 101, WOMEN ST 101, or 201. Intersections between race, class and gender through case studies; experiences in interdisciplinary methods. (Crosslisted course offered as WOMEN ST 300, <u>ENGLISH 310</u> , SOC 300). Typically offered Fall, Spring, and Summer.	8-19

WOMEN ST	338	Revise	<p>[HUM] Women and Popular Culture 3 Intersections of gender, race, class and sexuality through popular film, television, art, literature and performance. Typically offered Spring.</p>	<p>[HUM] <u>Gender, Race, and Popular Culture</u> 3 <u>Feminist study of intersections of</u> gender, race, class, sexuality, <u>and ability</u> through popular film, television, <u>digital media</u>, art, literature, and performance. Typically offered <u>Fall</u>, Spring, <u>and Summer</u>.</p>	8-19
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