

<b>[CGCC] Curricular Changes - Effective for Academic Year [2018-19]</b>									
This list submitted to OrACRAO on: [July 1, 2018]									
Curricular Change Cycle: [Annual]									
Annual submission date: [August 31]									
Name & contact info of person updating this template: [Susan Lewis, slewis@cgcc.edu, 541.506.6047]									
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fall, 2017	N	MFG	150	Manufacturing Processes	3	Introduces basic manufacturing processes used in industry. Expands on joints learned in WLD 195 to out of position welding joints. Emphasizes weld quality, joint quality and measurement tolerances for welding processes used in industry. Introduces additional tools used in welding trades. Prerequisite: WLD 195. Audit available.			
fall, 2017	N	MFG	155	Blueprint Reading	3	Introduces reading and creating basic technical drawings. Explores fabricating from drawings to industry specification and tolerances, creating and drawing parts in computer software, and integrating with CNC part generation and computer aided blueprint design. Prerequisite: MFG 150 WLD 195. Audit available.			
fall, 2017	N	WLD	195	Welding Technology I	3	Introduces the operation of equipment and tools used in standard welding and manufacturing shops. Identifies procedures, practices and skills used by welders including commonly used welding machines and the equipment used to cut and finish material. Audit available.			
winter, 2018	N	PE	181A	Weight Training	1	Stresses the proper guidelines, principles and techniques of weight lifting and the development of muscular strength and endurance. Introduces the development of individual weight training programs that allow for body and strength differences, including weight training etiquette and safety. Each student will progress at a rate commensurate with his or her abilities.			
winter, 2018	N	PE	181D	Circuit Interval Training	1	Improves aerobic, anaerobic and strength conditioning through interval training. Includes the use of free weights and/or other equipment and functional fitness training. Covers key muscle groups. Each student will progress at a rate commensurate with his or her abilities. Audit available.			

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winter, 2018	N	PE	182D	MindBody Fitness	1	Explores whole-body empowerment to increase energy and boost strength and fitness with fun tunes and dynamic exercises. Emphasizes elements of Yoga, Functional Fitness, Barre, Dance and TRX to build strength in core, shoulders, legs and back. Incorporates both isometric holds and functional dynamic exercises that challenge and tone. Audit available.		
winter, 2018	N	PE	182I	Aerial Yoga	1	Introduces aerial postures that support the body and relieve tensions. Explores common restful and meditative yoga postures that help improve alignment and increase space and mobility in the back and joints. Fun, flexible, restful and strength-focused for all levels of yoga practitioners. Audit available.		
winter, 2018	N	PE	182T	Mindful Yoga	1	Introduces yoga practice founded in sound alignment. Offers a gentle approach to yoga by slowing down the practice, presenting diverse pose options and movement with greater awareness that, in turn, allows neurological shifts, deep core connection and overall strengthening. Appropriate for beginning to advanced levels. Audit available.		
winter, 2018	N	PE	182Y	Indoor Cycle Training	1	Introduces structured group cycling. Promotes improved cardiorespiratory conditioning, muscle strength and endurance, flexibility and body composition. Promotes active energy through fun, inspiring music and cycling movement. Audit available.		
winter, 2018	N	PE	183N	Racquet Sports	1	Introduces one or more racquet sports. Emphasizes rules, equipment, techniques and strategy for both singles and doubles play. Develops fun recreational skills and strategies for maintaining lifelong health and fitness. Audit available.		
winter, 2018	N	PE	185L	Dance	1	Introduces traditional and popular dance forms and styles from a selection of countries and cultures. Examines and practices dance movement. Develops fun recreational skills and strategies for maintaining lifelong health and fitness. Audit available.		

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summer, 2018	M	ART	232	Drawing II – Studio	2	Deepens basic drawing skills explored in ART 230 to encourage the development of individual style. Reinforces the conceptual framework for critical analysis along with basic art theory. May be taken two times for credit. Prerequisite: ART 230. Audit available.	Requisite change (formerly: Prerequisite: ART 231); revised repeatability from maximum of 3 times to maximum of 2 times; revised description.	
summer, 2018	M	ART	271	Printmaking II – Studio	2	Continues the exploration of printmaking processes, techniques, and concepts. Emphasizes the development and practice of skills and knowledge attained in ART 269, encouraging the development of individual style. Furthers creative problem solving by utilizing more complex printmaking processes. May be taken two times for credit. Prerequisite: ART 269. Audit available.	Requisite change (formerly: no prerequisites); revised repeatability from maximum of 3 times to maximum of 2 times; revised description.	
summer, 2018	M	ART	280	Painting Basics	3	Introduces basic perceptual painting techniques and tools as well as the understanding of the language of painting in historical and contemporary contexts. Draws on the rich cultural diversity that exists in the field as a vehicle for developing personal self-expression. Develops critical skills for composing and synchronizing both tonal and color temperature scales to achieve a successful painting. Audit available.	Title change (formerly Painting); revised description.	
summer, 2018	M	ART	287	Watercolor II – Studio	2	Explores more advanced studio watercolor painting techniques, materials, and concepts to encourage the development of individual style. Reinforces the conceptual framework for critical analysis along with basic art theory. May be taken two times for credit. Prerequisite: ART 286. Audit available.	Requisite change (formerly: Prerequisite: ART 284); revised repeatability from maximum of 3 times to maximum of 2 times; revised description.	
summer, 2018	M	BA	228	Computer Accounting Applications	3	Introduces double-entry, fully-integrated computerized general ledger software. Includes general ledger, accounts receivable, accounts payable, payroll, fixed assets, bank reconciliations, inventory, and Financial Statement Analysis. Prerequisites: BA 111 or BA 211, Recommended: BA 104, CAS 133. Audit available.	Requisite change (formerly: Prerequisites: BA 101, BA 104, BA 131 or CAS 133, BA 211. Prerequisite/concurrent: BA 212.); revised description.	

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summer, 2018	M	BI	121	Introduction to Human Anatomy and Physiology I	4	Surveys anatomical terminology, basic chemistry, cell structure and function, tissues, and the following systems: integumentary, skeletal, muscular, and nervous. Involves lecture discussions complemented by physiological laboratory exercises, dissections, microscopy, and multimedia. Prerequisite: MTH 60 or MTH 98 or equivalent placement test scores. Prerequisite/concurrent: WR 121. Audit available.	Requisite change (formerly: Prerequisite: MTH 60 or equivalent placement test scores. Prerequisite/concurrent: WR 121.); revised description.	
summer, 2018	N	CAS	105	Writing for the Web	3	Examines elements of effective online writing and digital content design. Develops skills in grammar and proofreading. Introduces search engine optimization techniques, accessibility, copyright laws and open resources. Recommended: RD 115, WR 115. Audit available.		
summer, 2018	N	CAS	106	Intro to HTML for Designers	2	Introduces beginning HTML (Hypertext Markup Language) for designers of web pages. Includes codes and tags, FTP (file transfer protocol), and validating HTML codes using industry standards. Introduces elements of web design including story boarding, color palettes, fonts, and layout. Introduces web site organization and navigation via internal and external links. Compares and contrasts hosting services, including cost, technical support, and additional services such as PHP, JavaScript, shopping carts, and SEO. Recommended: CAS 133. Audit available.		
summer, 2018	N	CAS	208	Intermediate Photoshop	4	Covers the use of advanced image editing features of Adobe Photoshop to create and modify computer based graphics. Includes typographic design, compositing, and preparing files for export to the Web. Prerequisite: CAS 108. Audit available.		
summer, 2018	N	CAS	235	Graphic Design	4	Provides an overview of practical and effective design processes. Develops skills in digital illustration, page layout, image-scanning, image manipulation, digital printing processes and photography. Prerequisites: CAS 230. Audit available.		

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summer, 2018	N	CHN	101	First Year Chinese	5	Emphasizes effective communication skills in both written and spoken Mandarin Chinese. Provides an understanding of practices of native Chinese culture. Helps beginners with language proficiency as well as cultural awareness. The first term in a three-term sequence. Prerequisite/concurrent: RD 115, WR 115 or equivalent placement test scores. Audit available.		
summer, 2018	N	CHN	102	First Year Chinese	5	Emphasizes effective communication skills in both written and spoken Mandarin Chinese. Builds on language skills introduced in CHN 101. Provides an understanding of practices of native Chinese culture. Helps beginners with language proficiency as well as cultural awareness. The second term in a three-term sequence. Prerequisite: CHN 101. Audit available.		
summer, 2018	N	CHN	103	First Year Chinese	5	Emphasizes effective communication skills in both written and spoken Mandarin Chinese. Builds on language skills introduced in CHN 101 and 102. Provides an understanding of practices of native Chinese culture. Helps beginners with language proficiency as well as cultural awareness. The third term of a three-term sequence. Prerequisite: CHN 102. Audit available.		
summer, 2018	M	CIS	120	Computer Concepts I	4	Introduces computing fundamentals from older, mature technologies through recent and emerging technologies. Utilizes Open Educational Resources (OER) and key applications, such as word processing, spread sheet, database, and presentation software, to solve realistic problems. Explores the benefits and risks of the online environment. Recommended: placement into WR 115, RD 115 and MTH 20; basic computer skills equivalent to CAS 133 or BA 131. Audit available.	Requisite change (formerly: Recommended: CAS 133 or BA 131. Prerequisites: MTH 20 or equivalent placement test scores. Prerequisite/concurrent: WR 121.); revised description.	
summer, 2018	M	LIB	101	Library Research and Information Retrieval Strategies	1	Introduces the research process and essential research skills. Develops critical thinking strategies. Teaches identification of research topics, planning and carrying out the research process, and to identify and cite preferred sources of credible information. Audit available.	New title (formerly: Library Research and Beyond: Find, Select, and Cite); revised description	

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summer, 2018	M	MA	117	Medical Office Administrative Procedures	3	Introduces medical office administrative procedures with emphasis on patient reception, appointment scheduling, telephone techniques, mail handling, financial records, accounts receivable and payable, insurance, office management, and medical records management. Corequisite: MA 118.	Requisite change (formerly: Corequisite: MA 118 & MA 180); revised description.	
summer, 2018	M	MA	180	Coding and Reimbursement	2	Introduces CPT, ICD and HCPCS coding and reimbursement systems for physician offices and medical clinics. Prerequisite: MP111	Requisite change (formerly: Prerequisite: MP111; Corequisite: MA117); revised description.	
summer, 2018	M	MEC	120	Fluid Power and Electrical Control of Fluid Power Systems	5	Introduces the basic principles of hydraulics and pneumatics and applies these principles to build, maintain and troubleshoot industrial hydraulic and pneumatics circuits. Covers theory, generation, storage, transmission, and usage of hydraulic and pneumatics energy, pressure, and flow. Introduces hydraulic and pneumatics schematics and circuits as well as identification and operation of basic hydraulic and pneumatics components. Introduces basic ladder logic and PLCs to automate, control and modify an electrically controlled hydraulic and pneumatics system with solenoid-operated directional control valves. Includes a 3-hour per week laboratory session. Prerequisite: MTH 65. Audit available.	Title change (formerly Hydraulics); revised description.	
summer, 2018	D	MEC	121	Mechanical Power 1	5	Focuses on fundamentals of mechanical power, emphasizing the different mechanical components from nuts and bolts to gears, gear boxes, shafts and bearings. Demonstrates the importance of lubrication in maintaining gears and other movable parts. Covers basic alignment and mechanical physics, including aerodynamics. Audit available.		
summer, 2018	D	MEC	122	Mechanical Power 2	5	Introduces the process of power generation. Covers construction techniques involving cranes, rigging, and mechanical alignment procedures. Includes the disassembly and assembly of a functioning power generating turbine and participation in a safety workshop at a local wind farm. Prerequisites: WR 115, RD 115 and MTH 20 or equivalent placement test scores; MEC 121. Audit available.		

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summer, 2018	N	MEC	123	Industrial Mechanical Systems	5	Covers a broad exposure to industrial mechanical systems, including power transmission components, fasteners, tool lubrication and rigging. Develops a working knowledge of operation, assembly/disassembly, specifying and troubleshooting of various industrial components and practices. Prerequisites: RD 115, WR 115 and MTH 20 or equivalent placement tests scores. Audit available.		
summer, 2018	M	MTH	95	Intermediate Algebra	4	Introduces functions graphically and symbolically with an emphasis on function notation. Investigates functions, equations, and graphs involving linear, quadratic, rational, radical, and absolute value expressions. Integrates technology throughout. Graphing technology required – contact instructor for more details. Prerequisites: MTH 65 or equivalent placement test scores; placement into WR 115. Audit available.	revised description	
summer, 2018	M	MTH	105	Math in Society	4	Explores applications of mathematics in society including quantitative techniques in personal and public finance, basic probability and statistics for understanding risk and uncertainty, and concepts and applications of formal logic to argumentation and persuasion. Investigates a variety of mathematical problem-solving techniques and provides a sampling of more advanced mathematics or mathematics-related topics. Integrates technology where appropriate. Prerequisites: MTH 65 or MTH 98 or equivalent placement test scores. Prerequisite/concurrent: WR 121. Audit available.	Requisite change (formerly: Prerequisites: MTH 95 or MTH 98 or equivalent placement test scores. Prerequisite/concurrent: WR 121); revised description	

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summer, 2018	N	NRS	110	Foundations of Nursing – Health Promotion	9	Introduces the learner to the framework of the Oregon Consortium for Nursing Education (OCNE) curriculum. Emphasizes health promotion across the life span and includes learning about self-health as well as patient health practices. Promotes accessing research evidence about healthy lifestyle patterns and risk factors for disease/illness; applying growth and development theory; interviewing patients in a culturally sensitive manner; working as members of a multidisciplinary team giving and receiving feedback about performance; and using reflective thinking about their practice as nursing students. Studies populations including: children, adults, older adults, and the family experiencing a normal pregnancy. Includes classroom and clinical learning experiences. The clinical portion of the course includes practice with therapeutic communication skills and selected core nursing skills. Prerequisites: formal admission into the CGCC AAS Nursing Program.			
summer, 2018	N	NRS	111	Foundations of Nursing in Chronic Illness I	6	Introduces assessment and common interventions (including technical procedures) for patients with chronic illnesses common across the life span in major multiple ethnic groups. Explores the patient's and family's "lived experience" of the condition. Includes use of clinical practice guidelines and research evidence to guide clinical judgments in care of individuals with chronic conditions. Explores multidisciplinary team roles and responsibilities in the context of delivering safe, high quality health care to individuals with chronic conditions (includes practical and legal aspects of delegation). Examines cultural, ethical, legal and health care delivery issues through case scenarios and clinical practice. Case exemplars include children with asthma, adolescents with a mood disorder, adults with type 2 diabetes, and older adults with dementia. Includes classroom and clinical learning experiences. Prerequisites: NRS 110, NRS 232.			



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summer, 2018	N	NRS	112	Foundations of Nursing in Acute Care I	6	Introduces the learner to assessment and common interventions (including relevant technical procedures) for care of patients across the life span who require acute care, including normal childbirth. Considers disease/illness trajectories and their translation into clinical practice guidelines and/or standard procedures in relation to their impact on providing culturally sensitive, patient-centered care. Includes classroom and clinical learning experiences. Prerequisites: NRS 111, NRS 230, NRS 233.		
summer, 2018	N	NRS	221	Nursing in Chronic Illness II and End-of-Life Care	9	Builds on NRS 111 Foundations of Nursing in Chronic Illness I. Expands the student's knowledge related to family care giving, symptom management and end of life concepts. Focuses on these concepts as a basis for nursing interventions with patients and families. Explores ethical issues related to advocacy, self-determination, and autonomy. Develops complex skills associated with the assessment and management of concurrent illnesses and conditions within the context of patient and family preferences and needs. Explores skills related to enhancing communication and collaboration as a member of an interprofessional team and across health care settings. Exemplars include patients with chronic mental illness and addictions as well as other chronic conditions and disabilities affecting functional status and family relationships. Includes classroom and clinical learning experiences. Prerequisites: Completion of first year of the OCNE Nursing curriculum or admission by advanced placement.		

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summer, 2018	N	NRS	222	Nursing in Acute Care II and End-of-Life Care	9	Builds on NRS 112 Foundations of Nursing in Acute Care I, focusing on more complex and/or unstable patient care conditions, some of which may result in death, and require strong noticing and rapid decision making skills. Uses evidence base to support appropriate focused assessments, and effective, efficient nursing interventions. Integrates life span and developmental factors, cultural variables, and legal aspects of care to frame the ethical decision-making employed in patient choices for treatment or palliative care for disorders with an acute trajectory. Utilizes case scenarios that incorporate prioritizing care needs, delegation and supervision, and family and patient teaching for either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences. Prerequisite: NRS 221.		
summer, 2018	N	NRS	224	Integrative Practicum	9	Formalizes the clinical judgments, knowledge and skills necessary in safe, registered nurse practice. Provides Faculty/Clinical Teaching Associate/Student Triad Model context that allows the student to experience the nursing role in a selected setting, balancing demands of professional nursing and lifelong learner. Incorporates analysis and reflection throughout the clinical experience to provide the student with evaluative criteria against which they can judge their own performance and develop a practice framework. Includes seminar, self-directed study and clinical experience. Prerequisites: NRS 221, NRS 222.		

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summer, 2018	N	NRS	230	Clinical Pharmacology I	3	Introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. Includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics, as well as additional classes of drugs. Promotes clinical decision-making in the context of nursing regarding using current, reliable sources of information, understanding of pharmacokinetics and pharmacodynamics, developmental physiologic considerations, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. Studies drugs by therapeutic or pharmacological class using an organized framework. Prerequisite/concurrent: NRS 110.			
summer, 2018	N	NRS	231	Clinical Pharmacology II	3	Continues to provide the theoretical background that enables students to provide safe and effective nursing care related to drugs and natural products to persons throughout the lifespan. Promotes selected clinical decision-making in the context of nursing regarding using current, reliable sources of information, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. Addresses additional classes of drugs and related natural products not contained in Clinical Pharmacology I. Prerequisite: NRS 230			

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summer, 2018	N	NRS	232	Pathophysiological Processes I	3	Introduces pathophysiological processes that contribute to many different disease states across the lifespan and human responses to those processes. Includes the foundational concepts of cellular adaption, injury, and death; inflammation and tissue healing; fluid and electrolyte imbalances; and physiologic response to stressors and pain, as well as additional pathophysiological processes. Promotes selective clinical decision-making in the context of nursing regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. Includes modules covering oxygen transport; blood vessels and blood pressure; and the pathophysiology of the endocrine, respiratory and musculoskeletal body systems. Prerequisite/concurrent: NRS 110.		
summer, 2018	N	NRS	233	Pathophysiological Processes II	3	Continues to explore pathophysiological processes that contribute to disease states across the lifespan and human responses to those processes. Builds on content presented in foundational modules to promote selective clinical decision-making in the context of nursing regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. Includes modules covering acid-base imbalances; neoplasia principles; immune and autoimmune disorders; and the pathophysiology of the cardiac, gastrointestinal, renal and bladder, neurological, neuropsychologic, and reproductive body systems. Prerequisite: NRS 232.		

