

## Clackamas Community College Curricular Changes - Effective for Academic Year 2014-15

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Effective Term	New (N) Modified (M) Deleted (D)	Prefix	Course#	Course Title	Credits	Course Description	Type of Change (for modified classes only)	Comments
Summer 2014	N	APR	175IE	Blueprint Reading for Construction Trades	3	Presents the fundamentals in the use of construction drawings to determine methods and materials of construction. Emphasis is placed on architectural symbols and use of scale to determine location and placement.		
Summer 2014	N	APR	185IE	Electrical Systems	3	This course will illustrate different electrical systems from branch circuits and feeders to electrical services. The National Electrical Code (NEC) NFPA 70 requirements for equipment will also be covered in this course.		
Summer 2014	N	ART	141	Digital Art Publishing	1	Digital printing technology has made publishing full color visually focused books on art easier than you might think. You can now have a single copy of a book printed and bound at a price comparable to a book you would find in bookstores. This hands-on course will introduce you to this exciting new world and give you the opportunity to get start on that children's book, portfolio book or other art centered book project that's been kicking around in your head. Get it out of your head and into your reader's hands. We will lay out our project in Adobe InDesign and output it to a PDF file that will be ready to send off to the printer or shared online as an e-book. The course will discuss issues of layout, graphic design and digital photography as they relate to publishing art centered books.		
Summer 2014	N	BA	119	Project Management Practices	2	Basic course in project management, intended for non-project management students. Students gain a basic understanding of project management principles and techniques, with emphasis on scope planning, scheduling, and resource management. Students learn practical application of cost control, time management, and communication in project environments.		
Summer 2014	N	CS	181	CMS Web Development	3	Explores creating dynamic and interactive web sites via the use of a current content management system (CMS) and shopping cart utility. Includes installation of CMS/database, working with templates, creating efficient site navigation, enhancing sites using components, modules, plugins and extensions, and user management.		

Summer 2014	N	DMC	109	Introduction to Stop Motion Animation	1	Introduces basic stop motion animation tools, materials, techniques and elements of storyboarding, scripting, narrative development, compositing, special effects and audio integration into a final group film. Assignments include character development, rigging, set creation, photography, video compositing, and audio recording and synching. Uses digital cameras, Adobe After Effects and Photoshop, and Dragonframe stop motion software.		
Summer 2014	N	DMC	110	3D Modeling for Game Design and VFX	1	This course is intended for students interested in pursuing a career in 3D modeling and/or 3D Video Game Art Production. Upon completion of the course, students will have a working knowledge of tools and navigation in 3Ds Max along with techniques and pipeline familiarity in video game art production. These skills will be usable in conjunction with motion capture animations. Students will also learn the importance of deadlines, file management and organization.		
Summer 2014	N	DMC	111	Introduction to Video Game Design	1	This course provides students with a the skills needed to integrate 3D assets and Motion Capture sessions into a Unity-driven game design environment. It will focus on game development skills and the processes required in today's interactive game design industry. From preproduction to game mechanics and design to production, students will utilize Unity game development tools to create powerful games and interactive Augmented Reality projects.		
Summer 2014	N	DMC	250	Motion Capture	4	Introduction to the fundamentals of motion capture. This project-based course will prepare students to work in the field of motion capture. Students will plan and direct sessions as well as process data for maximum efficiency. Through this process students will learn how to create professional level, 3D based motion capture driven projects that can be used in video game development and film. Students will learn the basics of Motion Builder to create successful motion capture projects.		
Summer 2014	N	ECE	142	Media, Technology & the Influences on Child Development	1	Focuses on the implication and influences of media and technology on the development of the young child. Emphasizes analysis of media and technology tools for effectiveness in supporting the development of young children.		
Summer 2014	N	ECE	143	Kindergarten Readiness	1	Introduces core concepts of kindergarten readiness, including outcomes that are focused on in Pre-K as well as strategies for children as they prepare for kindergarten.		
Summer 2014	N	ECE	144	Working with the Gifted Child	1	Focuses on understanding the needs of the gifted young child and selecting strategies for supporting their development individually as well as in group settings.		
Summer 2014	N	ECE	145	Understanding Super Hero Play in the Classroom	1	Develops an understanding of superhero play in the development of young children and explores the role of adults in supporting and guiding their dramatic play. Emphasis will include how adults show children to use power wisely, understand the difference between real violence and pretend violence, settle conflicts without hurting anyone and act with compassion when others need help.		

Summer 2014	N	ECE	241	Environments & Curriculum Planning II	3	Builds upon knowledge and skills learned in ECE-240: Environments and Curriculum Planning I. Emphasis is on application of research-based strategies to implement and evaluate early childhood environments and curriculum. Focus is on integrating content knowledge throughout all classroom activities.		
Summer 2014	N	EM	208	Planning for the Needs of Children in Disasters	1	Familiarizes students with the forms used for the development of the incident action plan (IAP), a critical element of the National Incident Management System (NIMS). This course will specifically address the importance of developing Emergency Operations Plans (EOPs) for schools, and preparing for needs of children as a result of a disaster or emergency.		
Summer 2014	N	EM	209	Continuity of Operations (COOP) III	1	This course will assist Federal, State, Territorial, Local and Tribal levels of personnel working in the field of continuity to ensure the continuity of essential operations during and following a significant disruption to normal operations and reconstitution. The course will follow the Federal Continuity Directive (FCD) 1, which directs the Federal executive branch departments and agencies to offer guidance for non-federal agencies in developing COOP plans and programs. This will provide students with the tools and hands-on experience necessary to improve Continuity of Operations (COOP) plans.		
Summer 2014	N	EMT	217	Basic EKG Interpretation I for EMTs	1	Presents the student with an introductory overview related to the anatomy and physiology of the heart. It also explores normal electrical conduction as well as common variations as evidenced by changes in the waveform on the cardiac monitoring device. The course will also focus on the student's ability to perform cardiac monitoring via 3, 5 and 12 lead monitoring devices.		
Summer 2014	N	EMT	218	Basic EKG Interpretation II for EMTs	1	This course builds upon the knowledge gained in NUR-217. The course will focus on the student's ability to understand and recognize variations in the electrical conduction of the heart as evidenced by changes on the 12 lead EKG. The course will encompass the recognition and treatment modalities of sinus, atrial, junctional and ventricular rhythms as well as heart block. Recognition and treatment of electrical conduction problems related to ischemia, injury and drug/electrolyte imbalances will also be discussed.		
Summer 2014	N	ENG	100	Introduction to Literature: Literary Genres	4	Introduce students to literary genres: poetry, fiction, drama, essays, and non-fiction. May include graphic novels and electronic media. Course will explore literary elements, encourage personal and cultural reflection, incorporate literary theories, and provide models of close reading and written analysis. Recommended for students with no previous college coursework in literature.		Gen Ed in Arts & Letters
Summer 2014	N	ENG	265	Witness Literature	4	This course analyzes the transformation of immediate experience of extreme events like disasters, trauma, and war into literature. At the intersection of writing and social justice, witness literature shows the way that writing and art are the primary vehicles for most cultures to transform direct experience into enduring meaning.		Gen Ed in Arts & Letters

Summer 2014	N	ENGR	171	Digital Logic	4	The first course in digital design covers basic logic gates, Boolean algebra, Karnaugh mapping, number systems, timing analysis, and state machines. Students will become proficient with computational tools including schematic capture programs and circuit simulators.		
Summer 2014	N	ENGR	271	Digital Systems	4	The second course in digital design covers synchronous state machine circuits, microprocessor architecture, shift register devices, and the design of memory systems.		
Summer 2014	N	ENL	121	Advanced Communication Skills B	3	Part B of a course that is designed to help advanced non-native speakers of English gain fluency in speaking and listening in the contexts of school, work, family and community. Prepares students for success in discussions, interviews, conferences, presentations, and academic note taking.		
Summer 2014	N	ERM	110	OSHA 10	1	Discover principles and concepts that govern safe work practices in the utility industry. Focus in on safety awareness and application of safe working habits.		
Summer 2014	N	ERM	111	Flagging-Work Zone Protection	1	The primary function of temporary traffic control is to provide safe and efficient movement of road users through or around work zones while protecting workers and emergency response personnel. Flagger training requires a course of instruction in the following topics: fundamental principles; the four parts of temporary traffic control zones; main traffic control devices; location/spacing of devices and flagging principles. Students must be 18 or older to register.		
Summer 2014	N	ESL	038	Advanced Communication Skills B	0	Part B of a course that is designed to help advanced non-native speakers of English gain fluency in speaking and listening in the contexts of school, work, family and community. Prepares students for success in discussions, interviews, conferences, presentations, and academic note taking.		
Summer 2014	N	ESL	081	Bridge to Computers	0	This course introduces computer skills for intermediate and higher non-native speakers of English. Course includes an overview of computer components and terminology and an introduction to applications such as word processing, Internet, e-mail, presentation, and other software. English reading, writing, speaking, and listening skills are developed through a variety of computer projects and interactive classroom work.		
Summer 2014	N	GRN	290	Special Topics in Gerontology	1	This course gives students an opportunity to gain knowledge in a specific area relevant to the field of healthcare and aging. Topics will be pulled from a comprehensive list of areas identified by gerontology and healthcare professionals as having importance for students pursuing work in the field.		
Summer 2014	N	HD	185	Prior Learning Portfolio Development I	1	Students are guided through the required steps of building a portfolio with the goal of requesting college credit for learning acquired through work experience, volunteer work, industry training, etc. Details of the content of the portfolio are explained and alternative options for obtaining college credit through non-traditional learning experiences are reviewed.		

Summer 2014	N	HD	186	A Digital You--Building an e-Portfolio	3	This course offers techniques of developing course and assessment portfolios for application with current CCC course demands, career opportunities and educational pathway planning. The course also serves students seeking assessment for Credit for Prior Learning After learning the mechanics of Credit for Prior Learning (CPL) portfolio development in HD-185. CPL students will develop a detailed portfolio correlating non-traditional learning experiences with related courses at Clackamas Community College, for submission, consideration and evaluation to identified department and instructor at CCC.		
Summer 2014	N	HE	201	Personal Trainer	3	Students will follow the curriculum for the National Council on Strength and Fitness (NCSF) Certified Personal Trainer certification. The course will guide students through the expectations, requirements, process's and knowledge to prepare to become a certified Personal Trainer through the NCSF. Through videos, lecture and self-study, students will be prepared to take the NCSF Certified Personal Training exam, which is offered through the NCSF and is not included in the course.		Gen Ed Health & Physical Education
Summer 2014	N	HE	202	Introduction to Fitness Technology Careers	1	This course will explore the various careers in the Fitness Industry, through lecture and guest speakers currently in the professional field. Students will gain insight to the requirements, expectations, salary range, education requirements and any additional information related to specific careers.		Gen Ed Health & Physical Education
Summer 2014	N	HE	207	Introduction to Plant-Based Living	3	The course is designed to give students a basic understanding of a plant based diet/lifestyle and the benefits of the this type of lifestyle. Students will learn about the physical benefits of a plant based diet, GMO's, organic foods, current enviornmental impacts, impacts of the big agricultural companies as well as the research that has been documented to support the information.		Gen Ed Health & Physical Education
Summer 2014	N	HE	223	Sports Nutrition	3	Examination of nutrition as it relates to the demands of exercise and competitive sport. Emphasis on the relationship of diet and exercise to optimal health and performance. This course can lead to a certification as a sports nutritionist through the NCSF.		Gen Ed Health & Physical Education
Summer 2014	N	HE	252	First Aid/CPR/AED	3	Immediate and temporary care of injuries and sudden illness. Covers basic first aid for adult, child and infant, including; control of bleeding, proper methods of transportation, splinting, bandaging, CPR and AED. Successful completion (A or B grade) of course leads to a Red Cross Responding to Emergencies, First Aid/CPR/AED Certification.		Gen Ed Health & Physical Education
Summer 2014	N	HE	277	The Health Coach	3	A focus on the psychological aspects of weight management, as well as more in-depth coverage of the physiology of obesity and the techniques of lifestyle coaching. Students will be prepared to take the ACE certified Health Coach exam with successful completion of the course.		Gen Ed Health & Physical Education
Summer 2014	N	HOR	112	Horticulture Career Exploration	2	This course is a survey of the various career options available to students in the horticulture industry, with emphasis on nursery and greenhouse production, retail nursery, organic fruit and vegetable production, and landscape maintenance/installation. Includes field trips to local businesses. Class includes a lab component.		

Summer 2014	N	HOR	115	Horticulture Safety	1	Overview of safe practices in the horticulture workplace which will reduce the chance for accidents and injuries.		
Summer 2014	N	HOR	120	Pesticide Laws & Safety	1	Plant protection methods for weed, insect or disease control. Laws and regulations related to safety, handling and storage of pesticides. Techniques for product selection, including chemical and non-chemical options, applicator safety and environmental protection included. Prepare and test for the Oregon Pesticide Laws & Safety exam.		
Summer 2014	N	HOR	126	Landscape Water Feature	1	Methods used in building water features with emphasis placed on design, material selection, construction and maintenance considerations. Class includes a lab component.		
Summer 2014	N	HOR	127	Landscape Lighting	1	Methods used with lighting in the residential landscape, with emphasis placed on design, material selection, installation and maintenance considerations. Class includes a lab component.		
Summer 2014	N	HOR	128	Landscape Stones & Pavers	1	Methods used in building walls, patios and walkways out of stones and pavers, with an emphasis placed on design, material selection, construction and maintenance considerations. Class includes a lab component.		
Summer 2014	N	HOR	129	Landscape Deck & Features	1	Methods used in building wood fences and decking with emphasis placed on design, material selection, construction and maintenance considerations. Class includes a lab component.		
Summer 2014	N	HOR	223	Horticulture Science	3	An overview of the practical aspects of plant growth and development, classification systems, plant breeding and environmental factors that impact plant growth.		
Summer 2014	N	MUP	121	Chorale Ensemble: The Roots Project	1	The Roots Project, formerly known as The Clackamas Chorale will explore the roots of American music through the rehearsal and performance of spirituals, gospel, work songs, field hollers, caribbean songs, slave songs and traditional European choral music. No audition required.		
Summer 2014	N	NUR	218	Basic EKG Interpretation II	1	This course builds upon the knowledge gained in NUR 217. The course will focus on the student's ability to understand and recognize variations in the electrical conduction of the heart as evidenced by changes on the 12-lead EKG. The course will encompass the recognition and treatment modalities of sinus, atrial, junctional and ventricular rhythms as well as heart block. Recognition and treatment of electrical conduction problems related to ischemia, injury and drug/electrolyte imbalances will also be discussed.		
Summer 2014	N	PIE	081	Bridge to Computers	3	This course introduces computer skills for intermediate and higher non-native speakers of English. Course includes an overview of computer components and terminology and an introduction to applications such as word processing, Internet, e-mail, presentation, and other software. English reading, writing, speaking, and listening skills are developed through a variety of computer projects and interactive classroom work.		

Summer 2014	N	WR	200	Writing About Literature	4	Focuses on exploring various forms of literature with an emphasis on developing critical strategies for responding to readings both on an academic and creative level. Through a consideration of the writer's work and purpose, we will explore ways of joining the conversation about literature, of examining and refining methods of response through reading, discussion, and writing.		
Summer 2014	N	WR	263	Advanced Screenwriting	4	An expansion of fundamental skills initiated in the introductory course. Students will construct a feature-length screenplay, further develop their critical response skills through peer editing and review, and seek out options for production of their work.		Gen Ed in Arts & Letters
Summer 2014	M	APR	126UL	Troubleman Training	4	Instruct six-step apprentices on how to perform trouble work as a Troubleman. The main focus is to learn to properly secure and clear the trouble areas in order to restore service while protecting life and property.	Title Change	
Summer 2014	M	APR	136IE	Electrical Design I	3	Provides design criteria for single family and multifamily dwelling as well as outbuilding, by using the National Electric Code (NEC) and Oregon Specialty Electrical Code (OESC) to design and calculate electrical service and other aspects of a residence.	Title Change	
Summer 2014	M	APR	235IE	Special Installations	3	Covers special occupancies, special equipment, special conditions as they pertain to the National Electric Code and Oregon Specialty Code (OESC) it will also touch on communication systems.	Title Change	
Summer 2014	M	APR	236IE	Motors & Controls	3	This course is the first of two classes designed to teach students the basics of Basic Motor Controls, reversing starters, timers, counters & sensing devices and solid state soft starts.		
Summer 2014	M	APR	237IE	Electrical Design II	3	Provides design criteria for commercial and industrial electrical, by using the National Electric Code (NEC) and Oregon Specialty Code (OESC). To design and calculate service as well as other aspects of commercial and industrial electrical installations.	Title Change	
Summer 2014	M	APR	291IE	National Electrical Code (NEC) Exam Preparation I	3	This course is designed to prepare students for the electrical general journey level examinations for the States of Oregon and Washington. The course is based on tests designed to challenge the student to navigate the National Electric Code and Oregon and Washington rules and standards. Each test is designed to simulate the three-hour, 52 question general journey level tests. This course is one of four with the same design and theme which each have a unique set of tests to enhance the students' knowledge. Requires completion of four years of electrician apprenticeship courses.	Course Number Change	Formerly ELA-101
Summer 2014	M	APR	292IE	National Electrical Code (NEC) Exam Preparation I	3	This course is designed to prepare students for the electrical general journey level examinations for the States of Oregon and Washington. The course is based on tests designed to challenge the student to navigate the National Electric Code and Oregon and Washington rules and standards. Each test is designed to simulate the three-hour, 52 question general journey level tests. This course is two of four with the same design and theme which each have a unique set of tests to enhance the students' knowledge. Requires completion of four years of electrician apprenticeship courses.	Course Number Change	Formerly ELA-102

Summer 2014	M	APR	293IE	National Electrical Code (NEC) Exam Preparation I	3	This course is designed to prepare students for the electrical general journey level examinations for the States of Oregon and Washington. The course is based on tests designed to challenge the student to navigate the National Electric Code and Oregon and Washington rules and standards. Each test is designed to simulate the three-hour, 52 question general journey level tests. This course is three of four with the same design and theme which each have a unique set of tests to enhance the students' knowledge. Requires completion of four years of electrician apprenticeship courses.	Course Number Change	Formerly ELA-103
Summer 2014	M	APR	294IE	National Electrical Code (NEC) Exam Preparation I	3	This course is designed to prepare students for the electrical general journey level examinations for the States of Oregon and Washington. The course is based on tests designed to challenge the student to navigate the National Electric Code and Oregon and Washington rules and standards. Each test is designed to simulate the three-hour, 52 question general journey level tests. This course is four of four with the same design and theme which each have a unique set of tests to enhance the students' knowledge. Requires completion four years of electrician apprenticeship courses.	Course Number Change	Formerly ELA-104
Summer 2014	M	ART	194	Watercolor Painting	3	A beginning level study and practice course focused on individual exploration in technique and application of watercolor painting. Skill development in: preparation, creative expression, and presentation with the transparent medium of watercolor.		Gen Ed in Arts & Letters
Summer 2014	M	BA	205	Business Communications with Technology	4	Students practice critical skills for successful communication in a business environment by employing a structured writing process, analyzing audience needs, and identifying and using appropriate communication channels and modalities. Students also work individually to produce a PowerPoint presentation with embedded narration and as team members to manage a comprehensive project and complete a business research paper.	Title Change	
Summer 2014	M	BA	218	Personal Finance	4	Analysis and application of basic principles of personal finance including career planning, budgeting and spending, financial decision-making, use of credit, saving and investing, home purchase, taxes, risk management, retirement planning, estate planning, and other major personal finance topics.	Credit change+H106	
Summer 2014	M	CJA	101	Criminology	3	Examines the social problem of crime, including the process of making and breaking laws as well as society's reaction to the phenomenon. Provides a multidisciplinary study of the causes of crime, including its distribution across social strata and demographics. Focuses on theories of criminal behavior and specific types of crime.		Gen Ed in Social Sciences
Summer 2014	M	COMM	140	Introduction to Intercultural Communication	4	Explores the impact cultural differences have on the communication process; increases awareness of students' own cultural behaviors. Students discover effective ways to deal with difficult situations when a cultural difference causes a problem.		Gen Ed in Arts & Letters and Cultural Literacy

Summer 2014	M	CS	227	Computer Hardware & Repair	4	An in-depth course in computer hardware. Covers operational concepts, identification, installation, configuration, and troubleshooting of power supplies, motherboards, microprocessors, memory modules, disk drives, optical drives, and expansion cards. This course, in conjunction with CS 228, covers the topics on the CompTIA A+ certification exam.	Title Change	
Summer 2014	M	CS	228	Computer OS Maintenance & Repair	4	An in-depth course in Windows Operating System Maintenance and Repair. Covers installation, configuration, maintenance, and troubleshooting of Windows. Includes troubleshooting the boot process, application and system issues, and using various backup and restore utilities and processes. This course, in conjunction with CS 228, covers the topics on the CompTIA A+ certification exam.	Title Change	
Summer 2014	M	DMC	180	Digital Media Communications Internship	12	The internship is an opportunity to develop entry level skills in a specific occupational area and to practice the basic career management skills necessary to obtain, sustain, and advance employment. A Training and Evaluation Plan is developed and managed in consultation with the student, internship supervisor, and faculty.	Title Change	
Summer 2014	M	DMC	190	Digital Media Communications Portfolio Project I	4	The purpose of this course is to provide students the opportunity to combine their skills, knowledge and special interests in the planning, production, and presentation of an original finished project representative of any one of the focus areas in the Digital Multimedia Communications AAS program.	Title Change	
Summer 2014	M	DMC	191	Digital Media Communications Portfolio Project II	3	The purpose of this course is to provide students the opportunity to combine their skills, knowledge and special interests in the revision, refinement, and further development of an original finished product representative of any one of the focus areas included in the Digital Multimedia Communications AAS program, and to collaborate with peers in the process of integrating their work with one additional DMC focus area.	Title Change	
Summer 2014	M	DMC	192	Digital Media Communications Portfolio Project III	4	The purpose of this course is to provide students the opportunity to combine their skills, knowledge, and special interests in the production and production management of an original portfolio project that reflects full integration of DMC focus areas.	Title Change	
Summer 2014	M	DMC	280	Digital Media Communications/CWE	6	Cooperative work experience. Provides students with on-the-job work experience in the field of multimedia studies.	Title Change	
Summer 2014	M	ECE	240	Environments & Curriculum Planning I	3	Focuses on an introduction of creating physical and social environments and curriculum for children six weeks to six years in home or center-based programs. Course covers theories and relationships between physical and social space, activities, experiences, and materials. Students are introduced to the use of developmentally and culturally appropriate practices in planning and selecting environments and curriculum for young children.	Title Change	
Summer 2014	M	ED	254	Instructional Strategies for Dual Language Learners	3	Examines pedagogical and cultural approaches which lead to successful development of English language skills and content knowledge for children who speak a home language other than English. Focus is on children from birth through elementary grades.	Title Change	

Summer 2014	M	EM	121	Are You Ready? Citizen Preparedness for Disaster	1	Course is designed to help students understand how citizens learn to protect themselves and their families against all types of hazards. It can be used as a reference source or as a step-by-step manual. The focus of the content is on how to develop, practice, and maintain emergency plans that reflect what must be done before, during, and after a disaster to protect people and their property. Also included is information on how to assemble a disaster supplies kit that contains the food, water, and other supplies in sufficient quantity for individuals and their families to survive.	Title Change	
Summer 2014	M	EM	126	Emergency Operations Commander's Role/Community	1	This course describes the role, design, and functions of Emergency Operations Centers and their relationships as components of a multi-agency coordination system. The course contains disaster-related examples, activities and case studies that relate to EOC's and multi-agency coordination systems at the local, state and federal levels of government.	Title Change	
Summer 2014	M	EMT	101	EMT Part I	5	Develops skills and training at the basic life support (BLS) level. Includes signs and symptoms of illness and injury, initial treatment, stabilization, and transportation. Focus on: airway management, and patient assessment.	Title Change	
Summer 2014	M	EMT	102	EMT Part II	5	Continuation of EMT 101. Focus on: medical and trauma emergencies, EMS operations, and special populations. Includes 16 hours of observational time in an emergency department and with an EMS unit.	Title Change	
Summer 2014	M	ENG	170	Introduction to Literary Criticism	4	Students will closely study famous literary text through a variety of critical approaches, such as Feminism, Psychoanalysis, Marxism, reader-response and New Historicism.		Gen Ed in Arts & Letters
Summer 2014	M	ENG	204	Survey of English Literature, Part 1	4	Representative study of British literature, including major works, writers, and literary forms, from its beginnings through early eighteenth century. Readings from the Anglo-Saxon, Middle English, Renaissance, Earlier Seventeenth Century, and Restoration periods.	Title Change	Gen Ed in Arts & Letters
Summer 2014	M	ENG	205	Survey of English Literature, Part 2	4	Representative study of British literature, including major works, writers, and literary forms. Late eighteenth century through modern, with readings from the Romantic, Victorian, and modern periods.	Title Change	Gen Ed in Arts & Letters
Summer 2014	M	ENG	253	American Literature, Part 1	4	American literature from the pre-colonial period to the mid-nineteenth century, both major and lesser-known writers.	Title Change	Gen Ed in Arts & Letters
Summer 2014	M	ENG	254	American Literature, Part 2	4	Representative readings from the mid-nineteenth to twentieth centuries. Surveys the development of American fiction, nonfiction, poetry, and drama through the study of the works of both major and lesser known writers.	Title Change	Gen Ed in Arts & Letters
Summer 2014	M	ENL	120	Advanced Communication Skills A	3	Develops fluency in speaking and listening in the contexts of schools, work, family and community. Prepares students for success in discussions, interviews, conferences, presentations, and academic note taking.	Title Change	
Summer 2014	M	ERM	100	Introduction to Utility Industry & Career Options	3	Through research, students will discover and report on career options in the energy and utility resource industries.	Title Change Credit Change	

Summer 2014	M	ERM	101	History of Energy Industry in the Pacific Northwest	3	Examine the history, development and segmentation of the energy industry in the Northwest. Research and report on the effects of regional energy policies and how they affect specific segments of the energy industry.	Title Change Credit Change	
Summer 2014	M	ERM	102	Electricity Fundamentals in the Utility Industry	3	Focus on generation sources of electricity, transmission and final delivery to the consumer. Examine basic principles of alternating and direct current as it affects electrical flow. Research and report on strategies/components of the electrical industry.	Title Change	
Summer 2014	M	ERM	103	Fossil Fuels in the Utility Industry	3	Examines various methods for generating electricity and power distribution throughout the Northwest. Coal, natural gas, nuclear, hydro, diesel powered plants, and the path to emerging technologies such as wind, solar, geothermal and wave energy resources.	Title Change	
Summer 2014	M	ERM	107	Career Portfolio	4	Develop and customize a professional portfolio to record the application of knowledge and skills which may relate to students targeted career field. Portfolio consists of resume, reference letters, work samples, narrative, and certifications.	Credit Change	
Summer 2014	M	ERM	109	Career Interview Strategies	1	Complete your National Career Readiness Certificate (NCRC) as a job-marketing tool to demonstrate knowledge and skills in core areas that apply to energy and utility resource management. This course includes: computer literacy, math and logic. Explore various career options and pathways, and develop industry contacts. Practice interviewing skills and techniques.	Title Change Credit Change Course Number Change	Formerly ERM-108A
Summer 2014	M	ERM	121	Orientation to the Utility Industry	1	Designed to help students develop an understanding of basic electricity and utility systems; from electromagnetism, generation, transmission, distribution and finally to its end use in homes and work. This class is for students with little or no previous knowledge of electricity. It covers basic electricity fundamentals in a fun non-technical way, incorporating group processes, hands-on activities, and problem-solving exercises, videos and slides.	Title Change	
Summer 2014	M	ERM	160	Utility Industry Health Awareness	3	Discover principles and concepts that govern health related environmental conditions in a workplace setting in the utility industry. Create systems for change specific to health related workplace conditions.	Title Change Course Number Change	Formerly ERM-171
Summer 2014	M	ERM	161	Utility Industry Safety Development	4	Discover principles and concepts that govern performance development in the utility industry. Focus is on safety awareness and application of safe working habits.	Title Change Course Number Change	Formerly ERM-172 & ERM-173
Summer 2014	M	ERM	162	Groundworker Training	3	Prepares the student for basic Groundman responsibilities. This course provides the training, field competency, and documentation to become qualified to assume duties of a bid Groundman.	Course Number Change	Formerly ERM-174
Summer 2014	M	ERM	163	Initial Pole Climbing	4	Focus is on safety, proper equipment and various job functions. The students will practice and perform pole top rescue and test out doing different performances on the pole at four, ten, sixteen, thirty, and forty feet. All climbing is done in full fall restraint at all times.	Course Number Change	Formerly ERM-175

Summer 2014	M	ERM	203	Energy Applications III: Energy Issues	4	Energy seminar: Each student will develop an individual course plan (approved by the instructor) to survey and do original research and interviews, and report on a selected current energy application. The report and verbal presentation is the capstone of knowledge and skills covered by the ERM series (100 through 200 levels) and will be communicated in a written report (peer reviewed), as well as a formal student presentation to a panel of industry and academic experts. Reports and presentations may define internship projects.	Title Change	
Summer 2014	M	ERM	280	Energy & Resource Management/CWE	3	Cooperative work experience. Emphasis on work-based learning experience in the utility industry. Coordination of instruction and evaluation of student job performance will be provided by college faculty in conjunction with the student's employer/supervisor.	Course Number Change	Formerly ERM-180
Summer 2014	M	ESL	035	Advanced Communication Skills A	0	This course is designed to help advanced-level non-native speakers of English gain fluency in speaking & listening in the contexts of school, work, family and community. Prepares students for success in discussions, interviews, conferences, presentations, and academic notetaking.	Title Change	
Summer 2014	M	HD	220	Leadership: Theory Into Practice	3	Introduces leadership skills and theories. Includes translating theory into practice through ASG-sponsored programming. Strategies for planning, executing and evaluating events and functions are emphasized.		
Summer 2014	M	HOR	111	Horticulture Practicum/Fall	2	Practical experience with seasonal horticulture activities in the areas of container and field nurseries, greenhouses, landscape management and organic food production. Class includes a lab component.	Credit Change	
Summer 2014	M	HOR	131	Tree & Shrub Pruning	3	Emphasis on dormant pruning of fruiting and ornamental plants. Pruning and training techniques for grapes, fruit trees, and both evergreen and deciduous ornamental trees and shrubs. Basic woody plant anatomy, growth and development. Class includes a lab component.	Title Change	
Summer 2014	M	HOR	133	Horticulture Practicum/Winter	2	Practical experience with seasonal horticulture activities in the areas of container and field nurseries, greenhouses, and landscape management. Class includes a lab component.	Credit Change	
Summer 2014	M	HOR	140	Soils	3	Soil characteristics and management, including nutritional elements and the relationship between the soil and plant growth.	Title Change	
Summer 2014	M	HOR	143	Horticulture Practicum/Spring	2	Practical experience with seasonal horticulture activities in the areas of container and field nurseries, greenhouses and landscape management. Class includes a lab component.	Credit Change	
Summer 2014	M	HOR	145	Turf Installation & Maintenance	2	Installation and maintenance practices for turf grasses commonly used in landscapes. Emphasizes sustainable maintenance practices, installation, irrigation, pest identification and pest control. Class includes a lab component.	Credit Change	
Summer 2014	M	HOR	216	Integrated Pest Management	3	Learn the components of, and develop an Integrated Pest Management (IPM) plan for landscape, nursery, greenhouse or agricultural industries. The plan will incorporate pest detection, control practices and an evaluation of effectiveness.	Credit Change	
Summer 2014	M	HOR	229	Introduction to Landscape Design	3	Introduction to landscape planning, including basic drafting skills, grading, drainage, and site planning. Class includes a lab component.	Title Change	

Summer 2014	M	HOR	230	Equipment Operation & Maintenance	2	Selection, operation, and maintenance of power driven machines, such as mowers, rototillers, chain saws, edgers, sprayers, tractors, and related equipment for nursery and landscape applications. Class includes a lab component.	Credit Change	
Summer 2014	M	HOR	284	Urban Agriculture Farm Experience/CWE	6	Experiential learning of organic farming techniques, while working on the Campus Farm. Students learn ecological and sustainable practices, principles and management strategies, and will participate in marketing the produce. Students are allowed to enroll after completing nine credits of urban agriculture courses. Class includes a lab component.		
Summer 2014	M	HUM	180	Pathway to Sustainability	5	Can we create a more sustainable and just world? Will we question our assumptions regarding economic models, democracy, our relationships with the environment, and social structures? What are the roots of the current ecological crisis?		Gen Ed in Arts & Letters
Summer 2014	M	HUM	181	Pathway to Sustainability	5	Can we create a more sustainable and just world? Will we question our assumptions regarding economic models, democracy, our relationships with the environment, and social structures? What are the roots of the current ecological crisis?		Gen Ed in Arts & Letters
Summer 2014	M	HUM	182	Pathway to Sustainability	5	Can we create a more sustainable and just world? Will we question our assumptions regarding economic models, democracy, our relationships with the environment, and social structures? What are the roots of the current ecological crisis?		Gen Ed in Arts & Letters
Summer 2014	M	J	216	Writing for Media	4	Introduces students to the fundamentals of writing for various media including journalism, public relations and other communications-related fields. Topics include news gathering, interviewing and media law, with an emphasis on writing for print, broadcast, the web and social media.		
Summer 2014	M	J	226	Introduction to College Newspaper: Design & Production	4	Offers students interested in newspaper design and production basic skills in writing headlines, designing pages and using Adobe InDesign software to produce the weekly student newspaper, The Clackamas Print.	Title Change	
Summer 2014	M	J	227	Intermediate College Newspaper: Design & Production	4	Offers students interested in newspaper and web design intermediate skills in writing, lay out, photo editing and Adobe InDesign to produce and publish the weekly student newspaper, The Clackamas Print and its website.		
Summer 2014	M	J	228	Advanced College Newspaper: Design & Production	4	Offers students interested in newspaper design and production advanced skills in news content design, alternative story formats, content flow and management for print and online. Students will produce and publish the weekly student newspaper, The Clackamas Print, and its website.		
Summer 2014	M	LE	125	Field Training & Evaluation Program Management (FTEP)	1	Offers students interested in newspaper design and production advanced skills in news content design, alternative story formats, content flow and management for print and online. Students will produce and publish the weekly student newspaper, The Clackamas Print, and its website.		

Summer 2014	M	LE	161	Mass Fatality Incident Responder-- The Medicolegal Role	2	Mass Fatality Incident Response Team Operational Training. This course is designed to prepare medicolegal professionals to respond to mass fatality incidents as a member of an organized team. The course will present a fast-paced overview of how to prepare, equip, respond to and recover from a mass fatality incident. Emphasis will be given to response team composition, specific team member duties, workflow and incident management troubleshooting, using real-world experience scenarios. This course will prepare the student to participate as a member of a regional mass fatality incident response team developed by the Oregon State Medical Examiner's Office.		
Summer 2014	M	MA	115	Phlebotomy for Medical Assistants	2	Focus of this course is to demonstrate appropriate blood specimen procurement techniques using vacutainer, syringe, 'winged infusion' / butterfly with syringe and capillary puncture methods. Other specifics of the blood specimen testing requirements, such as collection into the correct evacuated tube (additive), specimen handling procedures, and collection documentation are also covered; while assuring a safe, confidential and professional environment for the patient, and as the phlebotomy technician.		
Summer 2014	M	MFG	114	Introduction to Manufacturing Technologies	6	Hands on course intended to be an overview of various manufacturing technologies introducing shop safety, print reading, shop math, welding and more. No prior experience necessary.		
Summer 2014	M	MUP	102	Wind Ensemble	3	For non-majors and music majors. Introduction and study of traditional and contemporary band literature. This is the first year of a two-year course of study that includes performance, study of common styles and practices of historically and culturally significant composers/arrangers, and study of historical issues related to the development and performance of band literature. Provides a thorough groundwork in the fundamental ideas, techniques, and practices of band music and ensemble performance. No audition required.	Title Change	Gen Ed for Arts & Letters
Summer 2014	M	MUS	111L	Music Notation Software I	1	Introduces students to Finale (music notation software) on Macintosh computers. Required for first-year music majors.	Title Change	
Summer 2014	M	MUS	112L	Music Notation Software I	1	Introduces students to Finale (music notation software) on Macintosh computers. Required for first-year music majors.	Title Change	
Summer 2014	M	MUS	113L	Music Notation Software I	1	Introduces students to Finale (music notation software) on Macintosh computers. Required for first-year music majors.	Title Change	
Summer 2014	M	MUS	143	Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX	3	An introduction to digital audio in the MIDI environment. This course continues MIDI sequencing, and integrates audio into the MIDI environment with audio looping, and spotting sound effects. Uses common production software/hardware.		
Summer 2014	M	MUP	202	Wind Ensemble	5	For non-majors and music majors. Introduction and study of traditional and contemporary band literature. This is the first year of a two-year course of study that includes performance, study of common styles and practices of historically and culturally significant composers/arrangers, and study of historical issues related to the development and performance of band literature. Provides a thorough groundwork in the fundamental ideas, techniques, and practices of band music and ensemble performance. No audition required.	Title Change	Gen Ed for Arts & Letters

Summer 2014	M	MUS	211L	Music Notation Software II	1	Advanced use of Finale (music notation software). Required for second-year music majors.	Title Change	
Summer 2014	M	MUS	212L	Music Notation Software II	1	Advanced use of Finale (music notation software). Required for second-year music majors.	Title Change	
Summer 2014	M	MUS	213L	Music Notation Software II	1	Advanced use of Finale (music notation software). Required for second-year music majors.	Title Change	
Summer 2014	M	NRS	111	Foundations of Nursing in Chronic Illness I	4	This course introduces the learner to the framework of the Oregon Consortium of Nursing Education (OCNE) curriculum. The emphasis on health promotion across the life span including learning about self-health and client health practices. To support self and client health practices, students learn to access research evidence about health lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview clients in a culturally sensitive manner, work as members of a multidisciplinary team giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. Populations studied in the course include children, adults, older adults and the family experiencing a normal pregnancy. Includes classroom and clinical learning experiences. Lab portion of class is NRS 110C.	Credit Change	
Summer 2014	M	NRS	111C	Foundations of Nursing in Chronic Illness I Clinical	3	This course introduces the learner to framework of the OCNE curriculum. The emphasis on health promotion across the life span includes learning about self-health as well as client health practices. To support self and client health practices, students learn to access research evidence about healthy lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview clients in a culturally sensitive manner, work as members of a multidisciplinary team giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. Populations studied in the course include children, adults, older adults and the family experiencing a normal pregnancy. Includes classroom and clinical learning experiences.	Credit Change	
Summer 2014	M	NUR	217	Basic EKG Interpretation I	1	This course presents the student with an introductory overview related to the anatomy and physiology of the heart. It also explores normal electrical conduction as well as common variations as evidenced by changes in the waveform on the cardiac monitoring device. The course will also focus on the student's ability to perform cardiac monitoring via 3, 5 and 12 lead monitoring devices.	Title Change	
Summer 2014	M	NUR	101C	Certified Nursing Assistant 2 Acute Care Clinical	0	Prepares the student to perform routine nursing assistant tasks to clients in the acute care setting. The Oregon State Board of Nursing requires a minimum of 24 hours of clinical practicum. May not be challenged.	Title Change	
Summer 2014	M	PS	201	American Government & Politics	4	Examines the founding principles of the American government: the Constitution, the separation of powers, and the three branches of government. Explores political parties and elections, the growing power of the executive branch, the expansion and reach of the federal bureaucracy, governmental policies, the civil liberties and civil rights of American citizens, and the role of the media in American politics.	Title Change	Gen Ed in Social Sciences

Summer 2014	M	PS	204	Introduction to Comparative Politics	4	Explores the various ideologies, institutions, and processes that constitute the nation states that make up the world political system. Introduces students to the comparative method of political science. Includes a wide-ranging assessment of the fundamental differences between presidential and parliamentary systems, and an exploration of various political systems and governments around the world within the context of current world politics.		Gen Ed in Social Sciences
Summer 2014	M	SBM	023	Small Business Management: Advanced	0	Part 3 of a multi-year program to help owners and managers of established businesses achieve greater joy and wealth and lead their enterprises more effectively. Course consists of class meetings, individual business counseling, peer networking, and work in/on the business. Class topics emphasize the creation and implementation of action plans that align with the mission, vision, strategy and tactical goals of both the organization and the leader.	Title Change	
Summer 2014	M	SSC	180	Pathway to Sustainability	5	Can we create a more sustainable and just world? Will we question our assumptions regarding economic models, democracy, our relationships with the environment, and social structures? What are the roots of the current ecological crisis?		Gen Ed in Social Sciences
Summer 2014	M	SSC	181	Pathway to Sustainability	5	Can we create a more sustainable and just world? Will we question our assumptions regarding economic models, democracy, our relationships with the environment, and social structures? What are the roots of the current ecological crisis?		Gen Ed in Social Sciences
Summer 2014	M	SSC	182	Pathway to Sustainability	5	Can we create a more sustainable and just world? Will we question our assumptions regarding economic models, democracy, our relationships with the environment, and social structures? What are the roots of the current ecological crisis?		Gen Ed in Social Sciences
Summer 2014	M	WET	134	Environmental Chemistry	3	Theory and applied laboratory techniques for testing water and wastewater. Students will test wastewater for NPDES required tests.	Credit Change	
Summer 2014	M	WLD	210	Pipe Welding	4	Provides beginning theory and practical instruction in the Shielded Metal Arc Welding (SMAW) process on steel plate and pipe. The specific projects include: stringer beads, fillet and groove welds on plate with root and cover proficiency, pipe cutting using the oxy-fuel process, and groove welds on pipes in all positions.	Title Change Credit Change	
Summer 2014	D	FRP	239	Division/Group Supervisor	2	NWCG S-339 certified. Skills and knowledge required to perform the tasks of a Division or Group Supervisor as identified in the position task book, PMS 311-09.		
Summer 2014	D	AM	119	Electrical System Fundamentals	3	This course covers basic electricity, electrical repair procedures, battery service, cranking system service, charging system service, lighting system service, ignition system service, fuel systems and emission control, and computer sensor systems.		
Summer 2014	D	AM	180	Auto Mechanics/CWE	6	Provides students with work-based learning experience and training related to collision repair. Supervision and evaluation of the student's job performance provided by qualified college staff and a supervisor at the employment site.		

Summer 2014	D	BA	109	IFRS Accounting Standards	1	Explains the what, how, when, and why of the IFRS (International Finance Reporting Standards) which are scheduled to be fully implemented in the U.S. by 2014. While the requirements are not locked in at this point (and are still evolving) students graduating or transferring in accounting majors must be aware of, understand, and be able to discuss the IFRS standards and how they will affect small, medium, and large business financial accounting reports. This is a temporary accounting course, when IFRS is implemented in 2014, the concepts will be integrated into the transfer accounting courses, BA-211, 212, and 213.		
Summer 2014	D	COMM	129	Oral Interpretation	4	Oral interpretation of literature from the areas of prose, poetry and drama. Analyze specific literary works and communicate understanding through performance.		
Summer 2014	D	COMM	150	Competitive Platform Speaking	4	Advanced theory and practice in public speaking. Simulated public speaking situations, audience analysis, and rhetorical strategies will be emphasized. Students will prepare and present a variety of speeches.		
Summer 2014	D	COMM	167	Parliamentary Procedure	4	The principles and practice of parliamentary procedure to develop skills in conducting business during meetings.		
Summer 2014	D	COMM	229	Oral Interpretation	4	Oral interpretation of literature from the areas of prose, poetry and drama. Analyze specific literary works and communicate understanding through performance.		
Summer 2014	D	COMM	250	Competitive Platform Speaking	4	Advanced theory and practice in public speaking. Simulated public speaking situations, audience analysis, and rhetorical strategies will be emphasized. Students will prepare and present a variety of speeches.		
Summer 2014	D	COMM	267	Parliamentary Procedure	4	The principles and practice of parliamentary procedure to develop skills in conducting business during meetings.		
Summer 2014	D	CS	245	Project Management--Information Systems	4	Study practical approaches for managing, planning, organizing and implementing information system projects using modern management techniques. Complete hands-on projects requiring management of project resources, scope, timeline costs, scheduling, human and other resources. Use Microsoft Project and other project monitoring tools. Project management is a broad term that can include many areas of business.		
Summer 2014	D	CS	092S	Computers for New Users, Spanish	3	This class requires no computer experience. Includes using a keyboard and mouse, introduces Windows, file management using Office applications, email, and the Internet. Takes place in the computer lab.		
Summer 2014	D	CS	093S	Computers for New Users II, Spanish	3	For those who have taken CS-092S or equivalent. Create, modify, format, and print simple worksheets in Microsoft Excel. In addition, you will create presentations in PowerPoint using different design tools including audio and video. Finally, you will be creating simple publications in Microsoft Publisher.		
Summer 2014	D	CS	094S	Database & Web Design, Spanish	3	This interactive class introduces basic elements of beginning web page design to create, update and maintain web pages in Internet or intranet web sites using Adobe Dreamweaver.		
Summer 2014	D	ENG	216	Comics and Literature	4	Examines the intrinsic literary and artistic qualities of the comics, as well as the literature and other art they have inspired.		

Summer 2014	D	ESL	014	Introduction to Business English A	0	This course is Part A of a two-part series of classes designed for non-native speakers of English who are considering employment and/or training in a business field. The course teaches students the basic communication skills frequently required in everyday business interactions both in the U.S. and internationally.		
Summer 2014	D	ESL	015	Introduction to Business English B	0	Part B of a two-part series of classes designed for non-native speakers of English who are considering employment and/or training in a business field. The course teaches students the basic communication skills frequently required in everyday business interactions both in the U.S. and internationally.		
Summer 2014	D	ESL	067	Video and Conversation	0	Intensifies intermediate/advanced ESL language skills in listening/speaking. Students view Crossroads Café video series, complete workbook exercises, practice listening for specific information, participate in pair, small group, and whole class discussions and activities.		
Summer 2014	D	ESL	073	Writing Skills	0	For ESL students who want to improve their writing skills for everyday life, the workplace and college courses. Students work individually with instructor guidance.		
Summer 2014	D	ESL	074	Differentiated Writing Instruction	0	Designed for ESL students who want to improve their writing skills for everyday life, the workplace and college courses. Students work individually with instructor guidance.		
Summer 2014	D	FRP	215	Fire Operations in the Urban Interface	3	NWCG S-215 certified. Meets the training needs for initial attack incident commanders and company officers confronting wildland fires that threaten life, property and improvements.		
Summer 2014	D	FRP	217	Interagency Helicopter Training	3	NWCG S-271 certified. Provides basic knowledge and skills required by individuals working with helicopters relative to fire and non-fire; safety, protective equipment, load calculations, landing areas, fueling, Helibase and Helispot operations.		
Summer 2014	D	FRP	260	Intragency Incident Management	1	NWCG S-260 certified. Provides the prerequisite knowledge and skills to perform the tasks of the positions in the Incident Command System (ICS) for which NWCG S-260 is required.		
Summer 2014	D	HIM	110			Introduces the concept of health information management and health informatics including components of content, use the structure of healthcare data along with information keeping practices in both paper and electronic systems.		
Summer 2014	D	HIM	120	Health Information Technology 1	1	Lab course for HIM110.		
Summer 2014	D	HIM	182	Healthcare Delivery Systems	3	Explains the past, present, and future influences on the delivery of healthcare. Covers provider organizations and settings in healthcare, financing of healthcare, causes and characteristics of healthcare utilization in the United States, regulation and monitoring of healthcare systems and ethical issues associated with healthcare technology.		
Summer 2014	D	HIM	271	Quality Improvement in Healthcare	3	Covers medical staff organization, physician credentialing, and quality improvement techniques in the healthcare setting.		
Summer 2014	D	HIM	274	Quality Improvement in Healthcare Lab	1	Lab course for HIM271		

Summer 2014	D	HIM	281	Data Management & Analysis	3	Collection, retrieval, analysis, and quality review of administrative and clinical information and data.		
Summer 2014	D	HIM	283	Health Information Systems	4	Introduces the history and current status of information systems in healthcare: information architectures, administrative and clinical applications, evidence-based medicine, information retrieval, decision support systems, security and confidentiality, bioinformatics, information system cycles, the electronic health record, key health information systems and standards, and medical devices. The course teaches record, key health information systems and standards, and medical devices. The course teaches strategies and tools to insure the development and/or selection of health information systems and discusses the role of healthcare information and communication technologies in healthcare delivery including their own in improving the quality, safety and efficiency of healthcare delivery.		
Summer 2014	D	HIM	285	Healthcare Financing & Compliance	3	Provides an understanding of the essential components of financing and compliance in healthcare facilities.		
Summer 2014	D	HIM	286	Data Management & Analysis Lab	2	Lab course for HIM281		
Summer 2014	D	HOR	132	Pesticide Selection & Use	3	Plant protection methods for weed, insect or disease control. Laws & regulations related to safety, handling and storage of pesticides. Techniques for product selection, including chemical and non-chemical options, applicator safety and environmental protection included. Prepare and test for the Oregon Pesticide Applicator exams.		
Summer 2014	D	HOR	147	Marketing Water Efficient Landscaping	1	Exploring the principles of water conservation in the landscape and how to be more profitable by selling water conservation practices to residential and commercial end users.		
Summer 2014	D	HOR	247	Hardscape Installation	3	Materials and construction methods used in landscape hardscape development with emphasis placed on design, materials selection, construction and maintenance of hardscape features for walls, patios, lighting, fencing, decks and water features. Includes lab component.		
Summer 2014	D	PIE	014	Introduction to Business English A	3	Part A of a two-part series of classes designed for non-native speakers of English who are considering employment and/or training in a business field. The course teaches students the basic communication skills frequently required in everyday business interactions both in the U.S. and internationally.		
Summer 2014	D	PIE	015	Introduction to Business English B	3	Part B of a two-part series of classes designed for non-native speakers of English who are considering employment and/or training in a business field. The course teaches students the basic communication skills frequently required in everyday business interactions both in the U.S. and internationally.		
Summer 2014	D	PIE	067	Video and Conversation	0	Intensifies intermediate/advanced ESL language skills in listening/speaking. Students view Crossroads Café video series, complete workbook exercises, practice listening for specific information, participate in pair, small group, and whole class discussions and activities.		

Summer 2014	D	PS	202	US Government: National Government Institutions	4	Examines American political parties, the role of money in politics and American political participation in general. Examines American domestic, economic and foreign policy.		
Summer 2014	D	RE	244	Market Analysis/Highest and Best Use	1	Identifying and analyzing market forces affecting the buyer's and seller's behavior is a key factor in understanding and reporting values. Designed to give students the tools needed to properly collect and analyze market data.		
Summer 2014	D	RE	245	Residential Site Valuation and Cost Approach	1	Help students gain valuable insight and a working knowledge of the various theories and methodologies for arriving at residential site values and applying the Cost Approach in residential appraising. Advantages/disadvantages of using the Cost Approach and distinction between Replacement Cost new and Reproduction Cost New.		
Summer 2014	D	RE	246	Residential Report Writing	1	Introduces theories, techniques, and procedures to help understand the process and how to use various residential forms and reports for appraisal. Provides practical application of real estate appraisal report writing procedures through theory and hands-on examples of appraisal processes.		
Summer 2014	D	WLD	112	Introduction to Shielded Metal Arc Welding Pre-Pipe Welding	2	Provides beginning theory and practical instruction in SMAW in preparation for pipe welding. Stringer, fillet, root groove welds on plate and oxy-fuel cutting will be covered.		