

## Natural Resources

NATR 101 (P/T) 3 Credits

INTRO TO WILDLAND FIRE (FFT2)

Quarters: Fall, Winter, Spring

Includes S-130, S-190, and L-180 training. Provides entry level firefighter skills, including the primary factors affecting the start and spread of wildfires, and recognition of potentially hazardous situations. Meets the fire behavior training needs of a firefighter type 2 (FFT2) on an incident as outlined in the PMS 310-1.

NATR 102 (P/T) 2 Credits

L-280 FOLLOWERSHIP TO LEADERSHIP

Quarters: Winter, Spring

Offers a self-assessment opportunity for individuals preparing to step into a leadership role. Combines one day of classroom instruction followed by a second day in the field, working through a series of problem solving events. Prerequisites: NATR 101

NATR 103 (P/T) 3 Credits

APPLIED BOTANY

Quarters: Spring

Introduces plant identification. Familiarizes students with basic field characteristics necessary for identifying forest and range plants. Includes terminology, morphology, nomenclature and classification with basic techniques for using plant keys. Introduces ecological concepts and plant relationships. Lab required.

NATR 104 (P/T) 3 Credits

S-290 INTERMEDIATE FIRE BEHAVIOR

Quarters: Spring

Prepares the prospective supervisor to undertake safe and effective fire management operations. Develops fire behavior prediction knowledge and skills. Discusses fire environment differences. Prerequisites: NATR 101.

NATR 105 (P/T) 3 Credits

FIELD METHODS IN NATURAL RESOURCES

Quarters: Fall, Spring

This course serves as an introduction to field work in Natural Resources. Classes will be held largely outside using a variety of field measurement tools and methods used commonly by natural resource professionals in subdisciplines of water resources, wildlife, forestry, cartography, range management, surveying, and other related fields. Lab required

NATR 106 (P/T) 3 Credits

INTRO TO FIRE EFFECTS

Quarters: Fall

Introduces the physical and biological effects of fire on ecosystems. Includes effects on individual plants and animals, range sites, timbered areas, air quality, watersheds, soil, and other related resources. Lab required.

NATR 107 (P/T) 2 Credits

S-260 INTERAGENCY INCIDENT BUS MGT

Quarters: Offered as needed

Provides general training needs for all positions requiring an understanding of interagency incident business management. Prerequisites: NATR 101.

NATR 108 (P/T) 2 Credits

S-270 BASIC AIR OPERATIONS

Quarters: Offered as needed

Discusses aircraft types and capabilities, aviation management and safety for flying and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas. Prerequisites: NATR 101.

NATR 109 (P/T) 2 Credits

S-200 INITIAL ATTACK IC

Quarters: Spring

This course will provide the individual in charge of the initial attack of small non-complex fires, the training needed for size-up, deployment of forces, suppression, mopup, communications, and administrative duties. Prerequisites: NATR101, NATR 104.

NATR 111 (P/T) 5 Credits

INTRO TO NATURAL RESOURCES

Quarters: Fall

The term "Natural Resources" covers a variety of topics and disciplines. This course serves as an introduction to the broad diverse field of natural resources. Each week students will research and study various disciplines within Natural Resources. Much time will be focused on current issues in various fields. Field labs to regional natural resource sites as well as guest lectures will be held weekly. Lab required

# Treasure Valley Community College

## Course Index - N

NATR 112 (P/T) 2 Credits

GLOBAL POSITIONING SYSTEMS (GPS)

Quarters: Spring

Acquaints the student with global positioning systems or GPS. Includes what GPS is, its uses, its short-comings, and field experience in the use of the equipment. Lab required.

NATR 115 (P/T) 2 Credits

S-230 CREW BOSS-SINGLE RESOURCE

Quarters: Spring

Produces student proficiency in the performance of duties associated with the single resource boss position from initial dispatch through demobilization to the home unit. Includes operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post incident responsibilities. Prerequisites: NATR 101, NATR 102, NATR 104. Recommended prerequisite: NATR 121.

NATR 116 (P/T) 2 Credits

S-215 FIRE OPERATION WILDLAND/URBAN

Quarters: Spring

Assists structure and wildland firefighters in making tactical decisions when confronting wildland fire that threatens life, property, and improvements, in the wildland/urban interface. Includes size-up, initial strategy, structure triangle, tactics, action assessment, public relations, and followup and safety.

NATR 117 (P/T) 1 Credit

S-231 ENGINE BOSS-SINGLE RESOURCE

Quarters: Spring

Produces student proficiency in the performance of the duties associated with engine boss, single resource, including engine and crew capabilities and limitations, information sources, fire size-up consideration, tactics, and wildland/urban interface. Prerequisites: NATR 101, NATR 104, NATR 115.

NATR 121 (P/T) 1 Credit

S-131 SQUAD BOSS

Quarters: Spring

Meets the advanced training needs of the Firefighter Type I (FFT1) in an interactive format. Contains several tactical decision games designed to facilitate learning the objectives. Prerequisites: NATR 101 and one year experience in the field.

NATR 122 (P/T) 2 Credits

S-390 WILDLAND FIRE BEHAVIOR CALC

Quarters: Winter

Introduces fire behavior calculations by manual methods, using nomograms and the Fire Behavior Handbook Appendix B. Examines the determinants of fire behavior through studying inputs (weather, slope, fuels, and fuel moisture). Instructs how to interpret fire behavior outputs, documentation processes, and fire behavior briefing components. Prerequisites: NATR 101, NATR 104, NATR 115.

NATR 123 (P/T) 2 Credits

S-330 TASK FORCE/STRIKE TEAM

Quarters: Winter

Provides training for the positions of Task Force Leader and Strike Team Leader specific to wildland fire suppression, as outlined in the Wildland Fire Qualification System Guide and the Position Task Books. Prerequisites: NATR 101, NATR 104, NATR 122.

NATR 127 (P/T) 3 Credits

S-336 TACTICAL DECISION MAKING

Quarters: Offered as needed

Provides training requirements for the Operations Section of the Incident Command System. Prerequisites: NATR 101, NATR 104, NATR 115.

NATR 140 (P/T) 4 Credits

MAP USE AND ANALYSIS

Quarters: Winter

Introduces the development, understanding, and practical use of planimetric and topographic maps, along with aerial photographs. Includes map scale, finding distances, directions, and area on maps and photos, and identification of map and photos features. Also introduces application of GPS and GIS in Natural Resource Management. Lab required

NATR 201 (P/T) 3 Credits

ENVIRONMENT AND SOCIETY

Quarters: Winter

Provides an overview of the complex political, social and economic issues met when managing Natural Resources of the Pacific Northwest. The course exposes students to local, regional and global environmental issues faced by a growing society. Topics will include climate change, habitat loss, sustainability, environmental justice, and global population growth. The course develops critical thinking skills useful in seeking out complex resource management solutions for a dynamic society.

NATR 202 (P/T) 3 Credits

S-212 WILDLAND FIRE CHAIN SAWS

Quarters: Spring

Introduces the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Provides entry level training for firefighters with little or no previous experience in operating a chain saw. Does not constitute certified faller designation. Prerequisites: Qualified FFT2, and current first aid/cpr certification.

NATR 203 (P/T) 2 Credits

S-211 PORTABLE PUMPS AND WATER USE

Quarters: Offered as needed

Consists of three skill areas: supply, delivery and application of water. Requires set up, operation, and maintenance of pump equipment in a field exercise.

NATR 217 (P/T) 3 Credits

INTRO TO WATERSHED MANAGEMENT

Quarters: Spring

Surveys the theory, principles and practices involved before water is utilized for commercial production projects. Studies the microclimate, hydrology, and soil as influenced by the vegetation in relation to the regional variables of climate, geology, topography, and vegetation type and structure. Follows the water from the atmosphere, to the ground, and down the watershed to the area where it can be used for natural resources, industry, recreation, and domestic needs. Lab required.

NATR 221 (P/T) 3 Credits

INTRO TO NATURAL RESOURCE ECOLOGY

Quarters: Winter

Introduces ecology, including evolution, adaptation, plant and animal distributions, terminology, ecological relationships and interactions individual ecosystems, and global ecological principles. Stresses the ecology of the northwest.

NATR 241 (P/T) 4 Credits

INTRO TO RANGE MANAGEMENT

Quarters: Spring

Introduces the science of range management, including identification, physiology, and ecology of range plants; stocking rate considerations; grazing system selection; range improvement methods; range inventory methods and analysis; and nutrition. Emphasizes range management objectives to provide society with meat, water, wildlife, and recreational opportunities on a sustained basis from lands unsuited for permanent cultivation. Lab required.

NATR 251 (P/T) 3 Credits

OUTDOOR RECREATION MANAGEMENT

Quarters: Winter

Outdoor Recreation Management explores outdoor recreation as a vital aspect of natural resources and land management. Concepts discussed include multiple use management, recreational enterprises, state and federal outdoor recreation agencies, environmental education, and current topics in outdoor recreation. Lab required. Some sections may have a low-cost text book option.

NATR 252 3 Credits

WILDLIFE MANAGEMENT

Quarters: Winter

Introduces the principles of wildlife management and some of the practices and techniques used in controlling wild animal populations. Emphasizes the multiple use concept necessary for natural resource management.

NATR 280 1 Credit

NATURAL RESOURCE COOP WK EXP

Quarters: Summer

Designed to give students an opportunity to acquire actual work experience in their chosen field. An on-site supervisor will supervise and evaluate the work experience student. Instructor approval of work setting and placement is required. For each credit earned, the student will need to document 36 hours at the work site.

NATR 290 (P/T) 1 Credit

NATURAL RESOURCE FIELD STUDIES CAMP

Quarters: Offered as needed

Introduces students to field work within the Natural Resource discipline at a remote work site. Field Studies emphasizes critical thinking in the field, teamwork approaches to field work problem solving, using technology in the field, and working in adverse weather conditions. This course may require multiple days in the field. Backcountry hiking and camping required.

### Nursing

NRS 100 (P/T) 5 Credits

#### FUNDAMENTALS OF NURSING

Quarters: Fall

This course introduces the learner to the foundations of nursing practice including, legal and ethical considerations, evidence-based practice, critical thinking, and the nursing process. Students learn to access evidence about healthy lifestyle patterns and risk factors for disease/illness. Cultural competency, client centered care, inter-professional team dynamics, and reflective thinking are emphasized in this course Prerequisites or Corequisites: Acceptance into the TVCC Nursing program is required prior to registration. Corequisite NRS 105 Fundamentals of Nursing Lab.

NRS 105 (P/T) 4 Credits

#### FUNDAMENTALS OF NURSING-LAB

Quarters: Fall

This course emphasizes safety in nursing skills and client care. The student will begin utilizing clinical judgement and decision-making skills through the practice of nursing skills, thinking aloud, and demonstration of skill proficiency. Knowledge and safety of medication administration and dosage calculations will be emphasized during the lab course. Co-requisite: NRS 100 Prerequisites or Corequisites: Acceptance into the TVCC Nursing program is required prior to registration. Corequisite for NRS 100 Fundamentals of Nur

NRS 115 (P/T) 8 Credits

#### MEDICAL SURGICAL-1

Quarters: Winter

In this course, medical and surgical content integrating pathophysiology and clinical judgement related to a "stable" client will be taught. Focus will include nursing assessment and data related to body systems, health screening and promotion, and client education. Clinical decision making will be addressed through understanding of reduction of harm with a therapeutic and holistic approach to culturally diverse populations. Co-requisite: NRS 116

NRS 116 (P/T) 1 Credit

#### MEDICAL SURGICAL I-LAB

Quarters: Winter

This course continues applying nursing skills and client care. The student will utilize clinical judgement and decision-makings skills through the practice of nursing skills, thinking-aloud, and demonstration of skill proficiency related to disease processes. Co-requisite: NRS 115

NRS 120 (P/T) 3 Credits

#### PHARMACOLOGY I

Quarters: Winter

This course introduces the student to concepts in pharmacology and clinical reasoning related to drug classes, over the counter medications, and herbal products across the lifespan. Students will focus on client assessment, therapeutic outcomes, medication safety, and client education. Clinical decision making will be addressed through understanding of pharmacodynamics, physiologic stability, reduction of harm, therapeutic and holistic approach to culturally diverse populations. The course focuses on cardiac, respiratory, and endocrine drugs as well as antibiotics and fluid and electrolyte balance. Prerequisites: Pass NRS 100 & NRS 105 Corequisites: NRS 115 & NRS 116 Audit by exception or LPN to RN Bridge student

NRS 125 (P/T) 9 Credits

#### MATERNITY AND PEDIATRIC NURSING

Quarters: Spring

This course focuses on the concepts unique to maternal and pediatric nursing. Students will focus on the nature of pregnancy, the basics of labor and delivery, and nursing care provided to postpartum clients, newborn infants, and children. Common illnesses and disorders of pregnant and pediatric clients will be discussed. Client care including safe, cultural diversity, communication, clinical reasoning, professionalism, legal and ethical standards, and family-centered care.

NRS 130 (P/T) 3 Credits

#### PHARMACOLOGY II

Quarters: Spring

This course continues concepts in pharmacology and clinical reasoning related to drug classes, over the counter medications, and herbal products across the lifespan. Students will focus on client assessment, therapeutic outcomes, medication safety, and client education. Clinical decision making will be addressed through understanding of pharmacodynamics, physiologic stability, reduction of harm, therapeutic and holistic approach to culturally diverse populations. This course focuses on drugs affecting the neurological system including psychiatric disorders, men's and women's health, musculoskeletal system and cancer treatments. Prerequisites: Pass NRS 120, NRS 115, and NRS 116 Corequisites: NRS 125 Audit by exception or LPN to RN Bridge student

NRS 200 (P/T) 9 Credits

MEDICAL SURGICAL II

Quarters: Fall

In this course, medical and surgical content integrating pathophysiology and clinical judgement related to an unstable and/or higher acuity client will be taught. Focus will include nursing assessment, data related to body systems and the unpredictable changing client condition. Clinical decision making will be addressed through understanding of reduction of harm with a therapeutic and holistic approach to culturally diverse population

NRS 205 (P/T) 2 Credits

PHARMACOLOGY III

Quarters: Fall

This course continues concepts in pharmacology and clinical reasoning related to drug classes, over the counter medications, and herbal products across the lifespan. Students will focus on client assessment, therapeutic outcomes, medication safety, and client education. Clinical decision making will be addressed through understanding of pharmacodynamics, physiologic stability, reduction of harm, therapeutic and holistic approach to culturally diverse populations.

NRS 215 (P/T) 9 Credits

COMMUNITY AND MENTAL HEALTH

Quarters: Winter

This course will examine nursing and medical science in relation to community and mental health nursing across the lifespan. Community and mental health nursing incorporates elements of prevention, education, assessment, and therapies. Focus on psychosocial skills in the utilization of effective therapeutic communication and safety awareness to provide care to individuals, families and communities experiencing acute and chronic mental illness. Pathophysiology and disease progression will be incorporated.

NRS 220 (P/T) 1 Credit

PHARMACOLOGY IV

Quarters: Winter

This course continues concepts in pharmacology and clinical reasoning related to drug classes, over the counter medications, and herbal products across the lifespan. Students will focus on client assessment, therapeutic outcomes, medication safety, and client education. Clinical decision making will be addressed through understanding of pharmacodynamics, physiologic stability, reduction of harm, therapeutic and holistic approach to culturally diverse populations

NRS 224 (P/T) 7 Credits

INTEGRATIVE PRACTICUM CLINICAL

Quarters: Spring

This course is designed to formalize the clinical reasoning and judgement, knowledge, and skills necessary to create a safe, client care environment as a graduate nurse. The practicum is designed for the student to partner with a practicing nurse preceptor to learn both nursing role and skills. Learning during the practicum is important as the student will recognize the development their own intellectual knowledge, psychomotor skills, and affective attitudes as they transition from nursing student to nurse graduate.

NRS 225 (P/T) 1 Credit

INTEGRATED PRACTICUM CLINICAL-LAB

Quarters: Spring

This course utilizes a computer-based instructional method to provide a comprehensive review of nursing concepts in preparation for the National Council Licensure Examination-Registered Nurse (NCLEX-RN). Students will utilize an online platform to simulate the NCLEX-RN and allow them to understand their strengths and weaknesses of the MCLEX-RN test plan. Feedback will be provided to the student based on the Clinical Judgement Measurement Model. Remediation is integrated to increase the successful completion of NCLEX-RN.

NURS 090 8 (P/T) 0 Credit

MEDICATION ASSISTANT

Quarters: Offered as needed

This course leads to eligibility for certification as a Medication Assistant in the state of Oregon, and meets all Oregon State Board of Nursing requirements. Upon completion of the course students will be able to safely, legally, and accurately administer and document medications to clients in appropriate healthcare settings. This course follows the approved OSBN curriculum requirements for Certified Medication Aide in Oregon. Prerequisites: Current Oregon or Idaho Certified Nursing Assistant I certification, 6 months documented full time Certified Nurses Aide I work experience (or equivalent part time experience), criminal background check).

NURS 106

6 Credits

NURSING ASSISTANT

Quarters: Offered as needed

This course is a combination of 110 hours which is divided into 40 hours of didactic, 28 hours of lab, 40 hours clinical, and a 2-hour Final Exam. Specifically, 40 didactic hours are spent in a live online learning environment. Lab skills include 28 hours, completed on Fridays, weeks 1-4. Clinical experiences are completed in 40 hours on Fridays, weeks 5-9. The Final Exam is in Week 10 and will be 2 hours (Week 8 during the summer term). A skills review will be held week 10 for 4 hours (Week 8 during the summer term), this is not mandatory but highly recommended for state testing preparation. Sign-in will be required for Week 10 skills day (Week 8 during the summer term), those that opt not to attend will not have an additional opportunity to practice prior to state testing. The clinical experience is spent in local long-term and/or acute care facility. The clinical experience will be an opportunity for students to acquire real life patient care as a student nursing assistant. The objective is to gain the knowledge to successfully pass the National Nurse Assistant Assessment Program Examination (NNAAP).