



Section 1. Proposed Course Outline (A general statement of course content that informs class syllabus construction. Once approved, all sections of a given course must include this content, no matter which instructor teaches the course, or the mode of delivery. Divisions must include this new course outline in the Divisional Course Outline binder as required by COPPs.)

Course Number: WATR**102** Full Course Title for print catalog: **Water Careers Exploration**

Abbreviated Course Title for Banner: **Water Careers Exploration** (30 character limit)

Prerequisites: Registration in Water Conservation Technician or Watershed Science Technician Program

Co-requisites:

Grade Option: X Graded (with P/NP option) ☐ Pass/No Pass only

Number/Type Credits	Term Minimum Contact	Term Maximum Contact	11-Week Term Contact
<u>4</u> Lecture	<u>40</u> hours (lecture credits x 10)	<u>48</u> hours (lecture credits x 12)	<u>44</u> hours (lecture credits x 11)
<u> </u> Lec/Lab	<u> </u> hours (lec-lab credits x 20)	<u> </u> hours (lec-lab credits x 24)	<u> </u> hours (lec-lab credits x 22)
<u> </u> Lab	<u> </u> hours (lab credits x 30)	<u> </u> hours (lab credits x 36)	<u> </u> hours (lab credits x 33)
<u>4</u> Total credits (sum)	<u>40</u> Total hours (sum)	<u>48</u> Total hours (sum)	<u>44</u> Total hours (sum)

Course Description (300 character limit):

The course provides an introduction to water conservation and watershed technician fields, examining water issues from personal to global contexts. The class will define water as a critical concern of society at all levels. Students will investigate employment opportunities related to water through readings, documentaries, lectures and guest speakers.

Course Outcomes and Proficiencies

What will the student *know* or *be able to do* at the end of the course?

What *attitudes* related to the subject will the student hold?

Upon successful completion of this course, the student will:

Define and use appropriate vocabulary in the water conservation and restoration fields to describe and discuss conservation issues

Identify the skills and education needed and the activities and working conditions for different professions in water fields

Relate personal actions to community and global issues.

Gather information related to a deeper understanding of world-wide water issues and solutions

Identify appropriate professional associations to

Assessments Planned

What evidence will demonstrate that students have achieved course outcomes? (assessment tools may include departmental tests, written products, portfolios, juried performances, quizzes and exams, or alternative assessments such as qualitative studies, capstone projects, external reviewers, etc.)

How each outcome will be assessed:

Quizzes

Final term project – oral & written reports

Final Term Project – oral & written reports

Written report

Written report

address key questions about water conservation and watershed restoration	
Use critical thinking skills to examine the effects of race, class, and gender on water and society	Class exercises, Book Report

Course Content by Major Topics

What topics will be presented? What are the main activities of the course? What are the central themes?
(See sample at <http://www.lanecc.edu/cops/format3.htm>.)

Topics:

Water Conservation Technician Program Overview

Research Techniques

Geographic Information Science (GIS)

Unit Conversions

Residential Indoor Water

Home Water Audit/ Informational Interviews

Outdoor Water
Agriculture

Water Related Professional Associations, Newsletters, Internet Resources

Water Related Mechanical and Commercial / Industrial Systems

Water Resource Management / Conservation Program Development

Co-op Seminar

Water/Energy Nexus
Using energy to meet water consumption

Regional Water Policy

Section 2. Proposal Information

Course Developer:

Sarah Whitney

Date: 8-1-11

Catalog year to take effect:

Type of Proposal

New course

☒ Currently 199 or 299

X Experimental Course

Type of Course:

☐ Lower Division Collegiate (transfer)

X Professional/Technical (required or elective)

☐ Developmental, numbered below 100

2011-12

X199 Special Studies

- ☐ 299 Trends
- ☐ Revised course (If increasing credits, use credit change form)
- ☐ Reactivated course with no change
- ☐ Reactivated course with changes

Rationale:

How does this proposal further the goals of the program or department?

The class supports multiple Water Conservation/Watershed Science programs learning goals by informing students of the requirements and expected outcomes of the Water Conservation/Watershed Science programs. Incoming Water Conservation/Watershed Science program students will have a clearer idea of the program scope and professional objectives. The class will increase FTE by retaining existing and attracting new students.

What assessment evidence supports this proposal?

This class supports multiple Water Conservation/Watershed Science programs learning goals. Market research completed for the Water Conservation/Watershed Science programs illustrated that industry supports the program and classes, and needs standardized college-level coursework for workers new to the field

How do you know there is a demand for this course?

Over the short history of the Water Conservation Technician Program, it has become evident that the topics that are covered in this class are necessary for the success of the students entering the Water Conservation/Watershed Science Program job market and for completion of the program. When first offered, it will be included as a highly recommended Directed Elective which will create the demand.

Section 3. Curriculum Equity (<http://www.lanecc.edu/cops/curric.htm>)

To promote an environment where all learners are encouraged to develop their full potential, this course will support Lane's Curriculum Equity policy in the following way(s):

This course will portray women and men from diverse cultural and ethnic backgrounds working in the field of water conservation as guest speakers.

Materials which present a significant number of instances of fully integrated human groupings and settings to indicate equal status and non-segregated social relations will be used in this class.

Section 4. For revised courses only: PREVIOUS Catalog/Course Information:

Course Number: _____ Course Title in Banner: _____ (30 characters maximum)

Full Course Title in print catalog:

Prerequisites:

Co-requisites:

Grade Option: ☐ Graded (with P/NP option) ☐ Pass/No Pass only

Number/Type Credits	Term Minimum Contact	Term Maximum Contact	11-Week Term Contact
__ Lecture	__hours (lecture credits x 10)	__hours (lecture credits x 12)	__hours (lecture credits x 11)
__Lec/Lab	__hours (lec-lab credits x 20)	__hours (lec-lab credits x 24)	__hours (lec-lab credits x 22)
__ Lab	__hours (lab credits x 30)	__hours (lab credits x 36)	__hours (lab credits x 33)
__ Total credits (sum)	__ Total hours (sum)	__ Total hours (sum)	__ Total hours (sum)

Course Description:

What will change? ☐ Course Number ☐ Title ☐ Course Description ☐ Credit hours ☐ Contact hours

Section 5. Support Courses(New Professional/Technical course proposals must complete.)

Professional/Technical courses are tracked within programs for purposes of Carl Perkins funding and budgetary planning. Indicate all degree or certificate programs for which this course will be required.

Program	Division
Water Conservation Technician Program	Science
Watershed Science Technician Program	Science

Section 6. Overlap Courses(New course proposals must complete.)

While overlap of course materials is not necessarily a flaw, duplication of course materials may lead to inefficient use of college resources. If there is overlap, the faculty of overlapping courses must agree on the extent of overlap and attach a rationale explaining its necessity.

Indicate all departments/courses that this course may overlap. Division Dean of existing course enters one of two options at right. Note: N/A is not an option.

Options:

1. No overlap.
2. Approved: overlap is acceptable. Rationale attached.
3. Disapproved: reasons attached.

Division	Course Number / Title	% Overlap	Option	Division Dean of existing course (Signature required for all options)	Date
			1		

Section 7. Qualification to fulfill degree requirements (complete all relevant forms, available at <http://www.lanec.edu/currshed/index.html> and send to Mary Brau for the Degree Requirements Review Committee):

☐ Form(s) applying for the following degree requirement status have been attached. (Only check this box when forms have been completed and attached.)

AAOT, ASOT-Bus, OTM:

- ☐ Arts & Letters
- ☐ Social Sciences
- ☐ Science /Computer Science
- ☐ Mathematics

AAOT:

- ☐ Cultural Literacy Option

AAS, 1-year and 2-year certificates:

- ☐ Human Relations

Section 8. Library Impact Statement

Under accreditation standards, Library consultation is essential for new programs, new courses and for substantively revised courses when the revisions entail any change in library use.

What assignments will require the use of library and information resources?

Reference materials for this course will be accessed through internet research

Each academic area has a Liaison Librarian (<http://www.lanecc.edu/library/services/liaison.htm>). Contact the designated librarian to discuss the library needs of your course. Please allow the librarian at least one week to assess library resources.

To be completed by Liaison Librarian:

- ☐ Library resources are adequate to support this proposal.
- ☐ Additional resources are needed but can be obtained from current funds.
- ☐ Significant additional Library funds/resources are required to support this proposal.

Liaison Librarian

Date

Section 9. Divisional Approval (To be completed by Division Chair and Administrative Assistant)

Human, Physical, and Financial Resources:

☐ Additional instructional costs (staff, materials, services or facilities) will be incurred to offer this course. Source of funding:

☐ No additional instructional resources (staff, materials, services or facilities) are needed to offer this course.

Explain:

Required Certifications:

☐ We have developed minimum course certification standards according to the COPPs procedure "Instructor Qualifications: Credit," to be filed with ASA upon course approval.

☐ We have completed faculty certification form(s) for faculty qualified to teach this course, to be filed with ASA and Human Resources upon course approval.

Fees:

☐ We have completed fee rationale and fee request forms to be submitted to ASA upon course approval, in compliance with the COPPs procedure, "Fees: Special"

☐ No special fees will be required for this course.

Divisional Recommendation:

☐ The Division Chair and Administrative Assistant have reviewed this course proposal and kept a copy for divisional files.

☐ Faculty review of this course was completed within the division on ____ (date).

☐ Pass

☐ Do Not Pass

Administrative Assistant/Coordinator

Date

Academic Dean

Date

Section 10. College Approval

Curriculum Committee Chair

Date

Executive Dean for Academic Affairs

Date

Curriculum Approval Committee hearing:

Date

Vice President for Academic &
Student Affairs

Date