



New Course Approval Form

This form is used to evaluate whether or not a new course can be counted towards the WSSS Approved Course List for the WSSS Certificate Program.

Conditions

To be considered for WSSS approval, courses must be graduate level and must address WSSS educational aims (see reverse side of paper). The course must:

1. Directly and explicitly address 1 or more WSSS Educational Aim(s) in the course goals **and**
2. One of the following:
 - a. Directly and explicitly address 1 or more WSSS Educational Aim(s) in at least half of the class topics of the course schedule, **or**
 - b. Include course content and an assignment (or multiple assignments) that collectively account for at least 50% of the student's grade and for which the student must choose topics addressing 1 or more WSSS Educational Aim(s) in each assignment.

Please fill out the following, mark all educational aims that are believed to apply to the course, and attach a copy of the course syllabus for review by the WSSS Steering Committee.

Course Title:

Course Number(s) *(if the course is cross-listed, write all):*

Instructor:

School(s):

Term(s) *(check all that apply):* Fall Spring Summer

-----OFFICE USE ONLY-----

TIE Administrator

Name:

Signature:

Date:

WSSS Steering Committee Member

Name:

Signature:

Date:

These comprehensive educational aims reflect the scope of the WSSS curriculum. Aims are adjusted periodically.

WSSS Educational Aim Theme	✓	Specific Educational Aim and Description	
Management & Policy		Watershed Management	Understanding the impact of human activity on watersheds; gaining tools for balancing needs of human and natural systems
		Water Policy, Planning and Decision Making	Familiarity with current and historical policies and procedures for water management, their failures and successes, and current conflicts and controversies arising from use and consumption patterns including the water-energy-food nexus.
		Water Economics and Systems Analysis	Analyzing and understanding of the complex interaction between water (water quality, access, infrastructure, and management) and economics (both at the micro- and macro- levels)
		National and International Security with respect to Water Issues	Addressing how water requires special protection from human targeted threats in areas of sensor development, basic science and human pathogens, policy analysis, or another specified significant area
Technology & Sciences		Scientific and Technological Research Skills	Gaining tools and skills to specifically address water research for scientific, technological, management, or development purposes.
		Understanding Water Properties and Characteristics	To develop a detailed understanding of water dynamics, interactions, and processes through biology, chemistry, engineering, and/or technology
Public Health & Nutrition		Integrating Food Security and Water Management	Addressing interaction between nutritional status, food security, and water quality, infrastructure, management, and access
		Water and Public Health	Develop familiarity with, and gaining tools to address, the complex interaction between water and public health from an epidemiological, biological, ecological, environmental and/or health equity perspective.
Environmental Concern		Pollution and Remediation Sciences	Addresses the complex interactions of biophysical factors influencing groundwater, surface water, and sediment pollution and remediation
		Climate Change and Water Management	Impact of, adaptations to, and anthropogenic management of climate change on water resources, wildlife and ecosystems, and gaining tools to manage risks to livelihoods and human settlements arising from changes in water quantity, quality and predictability.
		Water and Natural Resources	Integration of water and other natural resources, human use of these resources, and the impact on animals and the environment

*Return completed form to the WSSS Program Office
 Tufts Institute of the Environment, Miller Hall, 210 Packard Ave. Medford, MA 02155
 Fax: 617-627-6645 – Email: wsss@tufts.edu*

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