University of Hawaii Maui College
SSM 393V - Sustainable Science Management Internship

1. **Course Alpha. Please click on the ? to the right for help.**

    SSM

2. **Course Number. Please click on the ? to the right for help.**

    393V

3. **Course Title/Catalog Title. Please click on the ? to the right for help.**

    Sustainable Science Management Internship

4. **Number of Credits. Please click on the ? to the right for help.**

    Variable

5. **Contact Hours/Type. Please click on the ? to the right for help.**

    - Hour other; explain (Variable)

    Seminar - 1.25 hrs week. Minimum 75 documented field experience hours per credit (1 credit=75 hours; 2 credits=150 hours; 3 credits=225 hours). This is a system standard.

6. **Course Description. Please click on the ? to the right for help.**

    Applies skills to workplace in an occupation within the student's area of interest in sustainable science management.   Provides practical experience to develop knowledge and skills in the application of theory to actual problems in a non-classroom setting. Develops employment skills in the sustainable science management areas of energy, renewable energy, energy management, waste management, water and wastewater, policy, and related fields. Prepares students for the senior capstone project.

7. **Pre-Requisites. Please click on the ? to the right for help.**

    Enrollment in BAS Sustainable Science Management Program

8. **Co-requisites.**

9. **Recommended Preparation.**

10. **Is this a cross-listed course? Please click on the ? to the right for help.**

    NO

11. **Reason for Proposal. Why is this course being proposed or modified? This question requires specific information as part of the explanation. Please click on the ? to the right for help.**

    This course has been offered as SSM 392v since the inception of the program. This is effectively a number change to SSM 393v in order to be consistent with other internship course at UHMC.

_Co-op_

12. **Effective Semester and Year. For new or modified courses, the effective year is one year from the semester proposed. For example, if proposed in Spring 2012, the effective semester is Spring 2013. Please click on the ? to the right for help.**

Fall 2014

13. **Grading Method. What grading methods may be used for this course? Please click on the ? to the right for help.**

   • Credit/NC grade only/No Audit (0)

14. **Is this course repeatable for credit? How often can this course be counted toward a degree or certificate? Please click on the ? to the right for help.**

YES
The internship may be repeated one time for credit as a program elective.

15. **Course Student Learning Outcomes (SLOs). DO NOT ENTER TEXT IN THE TEXT BOX BELOW. Click on the yellow button "COURSE LEARNING OUTCOMES" and enter in that screen. Please click on the ? to the right for help.**

Course SLO/Competency	Demonstrate the skills of a sustainability employee, refine skill sets, attitudes, insights and behaviors necessary to be successful and effective in the workplace and to meet industry standards.	Apply basic principles, concepts, practices, and skill sets from their program major, demonstrate ability to analyze and resolve typical workplace situations/problems.	Demonstrate effective communication skills, apply basic principles of collaboration, motivation, problem-solving, and decision-making, demonstrate and enhance their ability to function as contributing members of a work team.	Identify career options in their field, demonstrate the skills of a sustainability employee, refine skill sets, attitudes, insights and behaviors necessary to be successful and effective in the workplace and to meet industry standards.	Prepare and present a basic career portfolio, capstone project or report(s).
identify and demonstrate skills essential for successful employment in sustainability and sustainable science management field.	☑	☑	☑	☑	☑
establish professional networks and credentials for future employment and/or career advancement.		☑	☑	☑	☑

Course SLO/PSLO	Decribe the unique sustianability challenges	Identify, outline, and illustrate the fundamentals	Appraise, evaluate, summarize, and explain	emonstarte skills related to managing sustainability	Propose and justify creative solutions

	faced by islands	of existing and emerging technologies in energy production, distribution and management; water supple, wastewater treatment; and waste management; their applications, processes and requirements	the economic, social, cultural, poltical and scientific features that make a system, process, practice, or business sustainable and consolidate that information into a sustainability profile	projects including defining scope, selecting acheivable goals, evaluating ethical implications, working with diverse teams, making presentations, and preparing reports	that are scientifically sound
identify and demonstrate skills essential for successful employment in sustainability and sustainable science management field.			☑	☑	
establish professional networks and credentials for future employment and/or career advancement.	☑		☑		

16. Course Competencies. DO NOT ENTER TEXT IN THE TEXT BOX BELOW. Click on the yellow button "COURSE COMPETENCIES/ISSUES/SKILLS" and enter text in that screen. Course competencies are smaller, simpler tasks that connect to and facilitate the SLOs.

Competency
Demonstrate the skills of a sustainability employee, refine skill sets, attitudes, insights and behaviors necessary to be successful and effective in the workplace and to meet industry standards.
Apply basic principles, concepts, practices, and skill sets from their program major, demonstrate ability to analyze and resolve typical workplace situations/problems.
Demonstrate effective communication skills, apply basic principles of collaboration, motivation, problem-solving, and decision-making, demonstrate and enhance their ability to function as contributing members of a work team.
Identify career options in their field, demonstrate the skills of a sustainability employee, refine skill sets, attitudes, insights and behaviors necessary to be successful and effective in the workplace and to meet industry standards.
Prepare and present a basic career portfolio, capstone project or report(s).

17. Recommended Course Content and Timeline. The course content facilitates the course competencies. Course content may be organized by weeks, units, topics or the like.

Content
3.0 Hours General Documentation
2.0 Hours General Workplace Expectations (e.g., rules, regulations, employer/employee handbook)

6.0 Hours Current Workplace Issues (e.g., customer service, health and safety, ethics, sexual harassment, communications)
2.0 Hours Job Description and Learning Objectives
3.0 Hours Career Portfolio or project/research/report
2.0 Hours Performance Appraisal and Career Development
2.0 Hours Student Presentations, Special Topics

18. **Program Learning Outcomes. DO NOT ENTER TEXT IN THE TEXT BOX BELOW. Click on the yellow button "PLOs" and enter text in that screen. Program Student Learning Outcomes (PLOs) supported by this course. If you are not a "program" use the Liberal Arts PLOs, view them by clicking on ? icon to the right.**

Program SLO
Decribe the unique sustianability challenges faced by islands
Identify, outline, and illustrate the fundamentals of existing and emerging technologies in energy production, distribution and management; water supple, wastewater treatment; and waste management; their applications, processes and requirements
Appraise, evaluate, summarize, and explain the economic, social, cultural, poltical and scientific features that make a system, process, practice, or business sustainable and consolidate that information into a sustainability profile
emonstarte skills related to managing sustainability projects including defining scope, selecting acheivable goals, evaluating ethical implications, working with diverse teams, making presentations, and preparing reports
Propose and justify creative solutions that are scientifically sound

19. **College-wide Academic Student Learning Outcomes (CASLOs). FIRST, fill out the CASLO grid located in the UHMC tab above. Click on the HELP icon for tips on determining support for the CASLOs and indicate your choices below by clicking on the box in front of each supported CASLO. NOTE: Our campus does not use the Preparatory Level, Level 1 and Level 2 designations in the chart below.**

☑	**Creativity** - Able to express originality through a variety of forms. ☑ Preparatory Level
☑	**Critical Thinking** - Apply critical thinking skills to effectively address the challenges and solve problems. ☑ Level 1
☑	**Information Retrieval and Technology** - Access, evaluate, and utilize information effectively, ethically, and responsibly. ☑ Level 1
	Oral Communication - Practice ethical and responsible oral communications appropriately to a variety of audiences and purposes.
☑	**Quantitative Reasoning** - Synthesize and articulate information using appropriate mathematical methods to solve problems of quantative reasoning accurately and appropriately.

☑ Level 1

| ☑ | **Written Communication** - Write effectively to convey ideas that meet the needs of specific audiences and purposes.

☑ Level 1 |

GenED SLO
Creativity - Able to express originality through a variety of forms.
Critical Thinking - Apply critical thinking skills to effectively address the challenges and solve problems.
Information Retrieval and Technology - Access, evaluate, and utilize information effectively, ethically, and responsibly.
Quantitative Reasoning - Synthesize and articulate information using appropriate mathematical methods to solve problems of quantative reasoning accurately and appropriately.
Written Communication - Write effectively to convey ideas that meet the needs of specific audiences and purposes.

20. Linking. CLICK ON CHAIN LINK ICON IN UPPER RIGHT HAND CORNER TO BEGIN LINKING. Please click on the ? to the right for help.

21. Method(s) of delivery appropriate for this course. Please click on the ? to the right for help.

- Other, explain (0)

Internships will be conducted at the sponsoring employer's determined site.

22. Text and Materials, Reference Materials, and Auxiliary Materials. Please click on the ? to the right for help.

Recommended: The Successful Internship: Personal, Professional, and Civic Development [Paperback], H. Frederick Sweitzer and Mary A. King

23. Maximum enrollment. Please click on the ? to the right for help.

11 (eleven) The organization requirements includes paperwork and collaborations between various organizations and companies. Eleven students is at the managerial capacity of the instructor.

24. Particular room type requirement. Is this course restricted to particular room type? Please click on the ? to the right for help.

NO

25. Special scheduling considerations. Are there special scheduling considerations for this course? Please click on the ? to the right for help.

NO

26. Are special or additional resources needed for this course? Please click on the ? to the right for help.

no

27. Does this course require special fees to be paid for by students? Please click on the ? to the right

for help.

NO

28. **Does this course change the number of required credit hours in a degree or certificate? Please click on the ? to the right for help.**

    no

29. **Course designation(s) for the Liberal Arts A.A. degree and/or for the college's other associate degrees. Please click on the ? to the right for help.**

Degree	Program	Category
Associate in Arts:	Liberal Arts	LE - Elective
AS:		
AAS:		
BAS:	Other	CR - Core Course/Requirement - BAS
Developmental/ Remedial:		

30. **Course designation(s) for other colleges in the UH system.**

31. **Indicate the year and page # of UHMC catalog referred to. For new or modified courses, please indicate the catalog pages that need to be modified and provide a sheet outlining those changes.**

    UHMC 2013-2014 at pg. 141

32. **College-wide Academic Student Learner Outcomes (CASLOs). Please click on the HELP icon for more information.**

Standard 1 - Written Communication **Write effectively to convey ideas that meet the needs of specific audiences and purposes.**		
Outcome 1.1 - Use writing to discover and articulate ideas.		3
Outcome 1.2 - Identify and analyze the audience and purpose for any intended communication.		3
Outcome 1.3 - Choose language, style, and organization appropriate to particular purposes and audiences.		3
Outcome 1.4 - Gather information and document sources appropriately.		3
Outcome 1.5 - Express a main idea as a thesis, hypothesis, or other appropriate statement.		3
Outcome 1.6 - Develop a main idea clearly and concisely with appropriate content.		3

Outcome 1.7 - Demonstrate a mastery of the conventions of writing, including grammar, spelling, and mechanics.		3
Outcome 1.8 - Demonstrate proficiency in revision and editing.		2
Outcome 1.9 - Develop a personal voice in written communication.		2
Standard 2 - Quantitative Reasoning **Synthesize and articulate information using appropriate mathematical methods to solve problems of quantative reasoning accurately and appropriately.**		
Outcome 2.1 - Apply numeric, graphic, and symbolic skills and other forms of quantitative reasoning accurately and appropriately.		2
Outcome 2.2 - Demonstrate mastery of mathematical concepts, skills, and applications, using technology when appropriate.		2
Outcome 2.3 - Communicate clearly and concisely the methods and results of quantitative problem solving.		3
Outcome 2.4 - Formulate and test hypotheses using numerical experimentation.		2
Outcome 2.5 - Define quantitative issues and problems, gather relevant information, analyze that information, and present results.		2
Outcome 2.6 - Assess the validity of statistical conclusions.		2
Standard 3 - Information Retrieval and Technology. **Access, evaluate, and utilize information effectively, ethically, and responsibly.**		
Outcome 3.1 - Use print and electronic information technology ethically and responsibly.		3
Outcome 3.2 - Demonstrate knowledge of basic vocabulary, concepts, and operations of information retrieval and technology.		3
Outcome 3.3 - Recognize, identify, and define an information need.		3
Outcome 3.4 - Access and retrieve information through print and electronic media, evaluating the accuracy and authenticity of that information.		3
Outcome 3.5 - Create, manage, organize, and communicate information through electronic media.		3
Outcome 3.6 - Recognize changing technologies and make informed choices about their appropriateness and use.		3
Standard 4 - Oral Communication **Practice ethical and responsible oral communications appropriately to a variety of audiences and purposes.**		
Outcome 4.1 - Identify and analyze the audience and purpose of any intended communication.		3
Outcome 4.2 - Gather, evaluate, select, and organize information for the communication.		3
Outcome 4.3 - Use language, techniques, and strategies appropriate to the audience and occasion.		3
Outcome 4.4 - Speak clearly and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion.		3
Outcome 4.5 - Summarize, analyze, and evaluate oral communications and ask		3

coherent questions as needed.		
Outcome 4.6 - Use competent oral expression to initiate and sustain discussions.		3
Standard 5 - Critical Thinking **Apply critical thinking skills to effectively address the challenges and solve problems.**		
Outcome 5.1 - Identify and state problems, issues, arguments, and questions contained in a body of information.		3
Outcome 5.2 - Identify and analyze assumptions and underlying points of view relating to an issue or problem.		3
Outcome 5.3 - Formulate research questions that require descriptive and explanatory analyses.		3
Outcome 5.4 - Recognize and understand multiple modes of inquiry, including investigative methods based on observation and analysis.		3
Outcome 5.5 - Evaluate a problem, distinguishing between relevant and irrelevant facts, opinions, assumptions, issues, values, and biases through the use of appropriate evidence.		3
Outcome 5.6 - Apply problem-solving techniques and skills, including the rules of logic and logical sequence.		3
Outcome 5.7 - Synthesize information from various sources, drawing appropriate conclusions.		3
Outcome 5.8 - Communicate clearly and concisely the methods and results of logical reasoning.		3
Outcome 5.9 - Reflect upon and evaluate their thought processes, value system, and world views in comparison to those of others.		3
Standard 6 - Creativity **Able to express originality through a variety of forms.**		
Outcome 6.1: Generate responses to problems and challenges through intuition and non-linear thinking.		3
Outcome 6.2: Explore diverse approaches to solving a problem or addressing a challenge.		3
Outcome 6.3: Sustain engagement in activities without a preconceived purpose.		3
Outcome 6.4: Apply creative principles to discover and express new ideas.		2
Outcome 6.5: Demonstrate the ability to trust and follow one's instincts in the absence of external direction		2
Outcome 6.6: Build upon or adapt the ideas of others to create novel expressions or new solutions.		3

33. Additional Information

Attachments

- ☐ CAR and Course Outline
- ☐ CCOWIQ SSM393V