

University of Hawaii Maui College

SSM 202 - Sustainable Island Communities

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.
202
3. **Course Title/Catalog Title.** Please click on the ? to the right for help.
Sustainable Island Communities
4. **Number of Credits.** Please click on the ? to the right for help.
3
5. **Contact Hours/Type.** Please click on the ? to the right for help.
6. **Course Description.** Please click on the ? to the right for help.
Introduces and examines concepts of sustainability on islands, specifically Hawai'i. Examines unique aspects of islands as relate to sustainable management of limited resources, including land use planning, waste management, water, sustainable tourism, renewable energy resources and natural resource management. Compares island communities to sustainable urban environments.
7. **Pre-Requisites.** Please click on the ? to the right for help.
Prereq: SSM 101, HWST 107 or 207 or HIST 284; any with a grade of C or better, or consent.
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.
Course prerequisites are being changed consistent with minor changes in the overall program, driven by student feedback and a consensus on program improvement. Missing course description was added.
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.
 - Standard (Letter,Cr/NCr,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.
NO

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	Describe the key environmental, socio-political and economic issues unique to island sustainability.	Identify key stakeholders for sustainability on Maui.	Describe and define carrying capacity as it pertains to island sustainability.	Calculate the sustainability index of island projects using a variety of tools and techniques.	Understand the scale and applicability of environmental policies made on islands and how proposed and implemented plans address sustainability conflicts.	Identify sustainable tourism practices which apply to Maui and other islands.	Define ecotourism and identify ecotourism opportunities on Maui.
Describe the key environmental, socio-political and economic issues unique to island sustainability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Identify key stakeholders for sustainability on Maui.		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Recall organizations developed to establish global island networking.		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Understand the scale and applicability of environmental policies made on islands.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Identify and describe the effectiveness of local government plans to achieve sustainability progress.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Describe and identify sustainable opportunities for eco-tourism and cultural tourism on Maui.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Describe how sustainability can be incorporated into island economies.			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Course SLO/PSLO	1. Examine ways in which the features and functions of multiple systems are interconnected, and explain how one system can be optimized without degrading	4. Describe the unique sustainability challenges faced by island communities.	5. Identify, outline and illustrate the fundamentals of existing and emerging technologies in energy production, distribution and management; water supply;	9. Apply academic learning to real-world demands and activities.
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	other systems or depleting natural resources.		wastewater treatment; and waste management; their applications, processes and requirements.	
Describe the key environmental, socio-political and economic issues unique to island sustainability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Identify key stakeholders for sustainability on Maui.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Recall organizations developed to establish global island networking.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Understand the scale and applicability of environmental policies made on islands.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Identify and describe the effectiveness of local government plans to achieve sustainability progress.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Describe and identify sustainable opportunities for eco-tourism and cultural tourism on Maui.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Describe how sustainability can be incorporated into island economies.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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
Describe the key environmental, socio-political and economic issues unique to island sustainability.
Identify key stakeholders for sustainability on Maui.
Describe and define carrying capacity as it pertains to island sustainability.
Calculate the sustainability index of island projects using a variety of tools and techniques.
Understand the scale and applicability of environmental policies made on islands and how proposed and implemented plans address sustainability conflicts.
Identify sustainable tourism practices which apply to Maui and other islands.
Define ecotourism and identify ecotourism opportunities on Maui.

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
Introduction to Island Sustainability (1 week)
Population, Resources and Carrying Capacity (1 week)
.Unique Aspects of Island Sustainability (1 week)
Island Case Studies (1 week)
Island Energy (2 weeks)
Island Water Issues (1 week)
Island Land Use & Transportation (1 week)
Case Studies in Energy, Land Use and Transportation (2 weeks)

Food & Agriculture (1 week)
Waste Management & Recycling (1 week)
Sustainable Tourism, Ecotourism, Cultural Tourism (2 weeks)
Student Presentations (2 weeks)

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
1. Examine ways in which the features and functions of multiple systems are interconnected, and explain how one system can be optimized without degrading other systems or depleting natural resources.
4. Describe the unique sustainability challenges faced by island communities.
5. Identify, outline and illustrate the fundamentals of existing and emerging technologies in energy production, distribution and management; water supply; wastewater treatment; and waste management; their applications, processes and requirements.
9. Apply academic learning to real-world demands and activities.

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.**

<input checked="" type="checkbox"/>	Creativity - Able to express originality through a variety of forms. <input checked="" type="checkbox"/> Preparatory Level
<input checked="" type="checkbox"/>	Critical Thinking - Apply critical thinking skills to effectively address the challenges and solve problems. <input checked="" type="checkbox"/> Level 1
<input checked="" type="checkbox"/>	Information Retrieval and Technology - Access, evaluate, and utilize information effectively, ethically, and responsibly. <input checked="" type="checkbox"/> Level 1
<input checked="" type="checkbox"/>	Oral Communication - Practice ethical and responsible oral communications appropriately to a variety of audiences and purposes. <input checked="" type="checkbox"/> Preparatory Level
	Quantitative Reasoning - Synthesize and articulate information using appropriate mathematical methods to solve problems of quantitative reasoning accurately and appropriately.
	Written Communication - Write effectively to convey ideas that meet the needs of specific audiences and purposes.

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.

Oral Communication - Practice ethical and responsible oral communications appropriately to a variety of 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.

- Classroom/Lab (0)
- HITS/Interactive TV (0)
- Hybrid (0)

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

Sustainable Development Handbook; Roosa, Stephen A.; Fairmont Press (2010, 2d ed.) ISBN-13:978-1-4398-5408-0

Other contemporary materials will be given as handouts for individual classes.

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

25

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.

none

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	FG - Global and Multicultural Perspectives Group B Other
AS:	ANY	Other
AAS:	ANY	Other
BAS:	Other	Other

Developmental/ Remedial:	N/A	
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30. Course designation(s) for other colleges in the UH system.

DP

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.

2013-2014 UHMC catalog 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.		0
Outcome 1.2 - Identify and analyze the audience and purpose for any intended communication.		1
Outcome 1.3 - Choose language, style, and organization appropriate to particular purposes and audiences.		1
Outcome 1.4 - Gather information and document sources appropriately.		1
Outcome 1.5 - Express a main idea as a thesis, hypothesis, or other appropriate statement.		1
Outcome 1.6 - Develop a main idea clearly and concisely with appropriate content.		1
Outcome 1.7 - Demonstrate a mastery of the conventions of writing, including grammar, spelling, and mechanics.		2
Outcome 1.8 - Demonstrate proficiency in revision and editing.		1
Outcome 1.9 - Develop a personal voice in written communication.		1
Standard 2 - Quantitative Reasoning Synthesize and articulate information using appropriate mathematical methods to solve problems of quantitative reasoning accurately and appropriately.		
Outcome 2.1 - Apply numeric, graphic, and symbolic skills and other forms of quantitative reasoning accurately and appropriately.		1
Outcome 2.2 - Demonstrate mastery of mathematical concepts, skills, and applications, using technology when appropriate.		0
Outcome 2.3 - Communicate clearly and concisely the methods and results of quantitative problem solving.		0
Outcome 2.4 - Formulate and test hypotheses using numerical experimentation.		0
Outcome 2.5 - Define quantitative issues and problems, gather relevant information, analyze that information, and present results.		0
Outcome 2.6 - Assess the validity of statistical conclusions.		1
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.		2

Outcome 3.2 - Demonstrate knowledge of basic vocabulary, concepts, and operations of information retrieval and technology.		2
Outcome 3.3 - Recognize, identify, and define an information need.		1
Outcome 3.4 - Access and retrieve information through print and electronic media, evaluating the accuracy and authenticity of that information.		0
Outcome 3.5 - Create, manage, organize, and communicate information through electronic media.		2
Outcome 3.6 - Recognize changing technologies and make informed choices about their appropriateness and use.		2
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.		2
Outcome 4.2 - Gather, evaluate, select, and organize information for the communication.		1
Outcome 4.3 - Use language, techniques, and strategies appropriate to the audience and occasion.		2
Outcome 4.4 - Speak clearly and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion.		2
Outcome 4.5 - Summarize, analyze, and evaluate oral communications and ask coherent questions as needed.		1
Outcome 4.6 - Use competent oral expression to initiate and sustain discussions.		1
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.		2
Outcome 5.2 - Identify and analyze assumptions and underlying points of view relating to an issue or problem.		2
Outcome 5.3 - Formulate research questions that require descriptive and explanatory analyses.		2
Outcome 5.4 - Recognize and understand multiple modes of inquiry, including investigative methods based on observation and analysis.		2
Outcome 5.5 - Evaluate a problem, distinguishing between relevant and irrelevant facts, opinions, assumptions, issues, values, and biases through the use of appropriate evidence.		2
Outcome 5.6 - Apply problem-solving techniques and skills, including the rules of logic and logical sequence.		2
Outcome 5.7 - Synthesize information from various sources, drawing appropriate conclusions.		2
Outcome 5.8 - Communicate clearly and concisely the methods and results of logical reasoning.		1
Outcome 5.9 - Reflect upon and evaluate their thought processes, value system, and world views in comparison to those of others.		2
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.		2
Outcome 6.2: Explore diverse approaches to solving a problem or addressing a challenge.		2

Outcome 6.3: Sustain engagement in activities without a preconceived purpose.	2
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	1
Outcome 6.6: Build upon or adapt the ideas of others to create novel expressions or new solutions.	1

33. Additional Information

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