



## LHO242 - Introduction To Permaculture

Document Type: District Master Course Outline

Proposal Type: Revision

Requester(s): Robert Glatt Sarah Skamser

College: South

Origination Approved: 04/16/2014 - 3:40 PM

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### BASIC INFORMATION

**Requester(s):** Robert Glatt  
Sarah Skamser

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**College:** South Seattle Community College

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**Division/Dept:** Professional Technical

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**Dean:** Robert Glatt

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**Peer Reviewer(s):** Van M Bobbitt  
Aaron Burman  
Steve Hilderbrand

### COURSE INFORMATION

**Proposed Course Number:**

Prefix: **LHO** Number: **242**

Request a new Prefix

This will be a common course

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**Full Title:** Introduction To Permaculture

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**Abbreviated Title:** Intro To Permaculture

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**Catalog Course Description:**

Explore permaculture and sustainable land use design based on ecological principles. Covers ecosystems, soils, water catchment and conservation, the food forest, and zones. Gain an understanding of how to apply these concepts and methods.

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**Course Length:** 11 Weeks  Request an Exception

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**Course Prerequisite(s):**

None

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**Course Corequisite(s):**

none

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**Topical Outline:**

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|--|---|
| I. Permaculture concept – ecology, patterns and systems. | 4 |
| II. Plantings and gardens as ecosystems                  | 2 |
| III. Sustainable systems                                 | 2 |

IV. Site visits & field trips	9
V. Soils understanding and development	3
VI. Water catchment, conservation and use	2
VII. Beyond aesthetics - multi-functional plants, the food forest	3
VIII. Organism interactions in the system	3
IX. Zones, communities and guilds	2
X. Applications of whole system concepts	3
<b>Total</b>	<b>33</b>

**COURSE CODING**

**Funding Source:** 1.....State

**Institutional Intent:** 21.....Vocational Preparatory

This Course is a requirement for the following program(s):  
(No Programs Selected)

My Course Proposal is a requirement for a program not on this list  
Program Title/Description/Notes:  
One year LHO certificate (all Tracks), AAS, AAS-T

**Will this course transfer to a 4-year university?** **No**

**Is this course designed for Limited English Proficiency?** **No**

**Is this course designed for Academic Disadvantaged?** **No**

**Does this course have a Workplace Training component?** **No**

**CIP Code:** 01.0308  Request Specific CIP Code

**EPC Code:** 135  Request Specific EPC Code

**Credits:**

**Will this course be offered as Variable Credit?** No  
**No**

**List Course Contact Hours**

Lecture (11 Contact Hours : 1 Credit)	33
Lab (22 Contact Hours : 1 Credit)	0
Clinical Work (33 Contact Hours : 1 Credit)	0
Other (55 Contact Hours : 1 Credit)	0
Total Contact Hours	33
Total Credits	3

COLLEGE SUPPLEMENTAL

**Proposed Quarter of Implementation:**

Request Provisional Exception

**Class Capacity:** 25

**Modes of Delivery:** (Check all that apply)

- Fully On Campus
- Fully Online
- Hybrid
- Other Explanation:

**Class Schedule Description:**

Explore permaculture and sustainable land use design based on ecological principles. Covers ecosystems, soils, water catchment and conservation, the food forest, and zones. Gain an understanding of how to apply these concepts and methods.

**Student Learning Outcomes:**

**Communication**

Read and listen actively to learn and communicate

Read and listen actively to learn and communicate with clients, supervisors, employees and co-workers.

Speak and write effectively for academic and career purposes

Speak and write effectively for academic and career purposes.

**Human Relations**

Use social interactive skills to work in groups effectively

Use social interactive skills to work in groups effectively.

**Critical Thinking and Problem-Solving**

Think critically in evaluating information, solving problems, and making decisions

Think critically in evaluating information, solving problems and making decisions throughout the process.

**Technology**

Select and use appropriate technological tools for academic and career tasks

Select and use appropriate tools for safe and efficient completion of the work.

**Personal Responsibility**

Attend class regularly, complete assignments on time and effectively participate in classroom and online discussions, group work and other class-related projects and activities

Be motivated and able to continue learning and adapt to change. Value one's own skills, abilities, ideas and art. Complete the project to a standard demonstrating pride in one's work.

Program Outcomes:

<b>Included in Course Outcome Number</b>	<b>Landscape Design and Construction Certificate Program Outcomes</b>
1, 2, 3, 4, 5, 6,7	1. Demonstrate ability to work with site requirements, installation contractors, clients, and maintenance personnel to accomplish project within prescribed time, resources, and budgets. (SLO 1.1, 2.1, 3.1, 3.2, 4.1, 6.2, 6.4, 6.5, 7.1)
1, 7	2. Recognize, identify, and operate work site safety practices, environmental protection, workplace standards, work ethics, and leadership skills. (SLO 1.2, 3.1, 3.2, 6.1, 6.4, 6.5)
5, 6	3. Prepare and generate required plans and documents for customers, co-workers, suppliers, and general public and effectively communicate desired outcomes and actions. (SLO 1.2, 2.3, 3.1, 3.2, 5.1)
	4. Describe and outline career opportunities, pathways, and requirements for entry and advancement within the field. (SLO 1.2, 4.1, 5.1, 6.2, 6.3, 7.2)
	5. Describe and demonstrate skills in use of equipment, tools, environmental controls, and computers. (SLO 1.2, 5.1, 6.2, 6.4, 6.5)

<b>Included in Course Outcome Number</b>	<b>Landscape Design and Construction Degree (AAS, AAS-T) Program Outcomes</b>
1, 2, 3, 5, 6, 7	6. Create and develop a plan after conferring with client and assessing the client and site needs, and demonstrate critical thinking skills to reconstruct or modify design according to environmental and human resources, codes or regulations, and or budgetary concerns. (SLO 1.2, 2.3, 3.1, 3.2, 4.1, 5.1, 6.2, 6.5, 7.2)
1, 2, 3, 5, 6	7. Plan progression and determine cost to construct hardscape and install plants according to plan. (SLO 1.2, 2.2, 2.3, 4.1, 5.1, 6.4, 6.5)
1, 2, 4, 5, 6	8. Demonstrate ability to analyze a given site, develop a maintenance schedule and plan, identify and solve problems, and estimate to manage for cost efficiency. (SLO 1.2, 2.2, 2.3, 4.1, 5.1, 6.5,7.2)
1, 3, 4, 5, 6	9. Discuss and practice sound business practices as it relates to planning operations, budgets, personnel, customer service, and sales and marketing. (SLO 1.1, 1.2, 2.3, 3.1, 3.2, 4.1, 5.1, 6.1, 6.4, 6.5, 7.2)

Course Outcomes / Objectives:

1. Define permaculture, discuss its historical roots, and describe permaculture applications.
2. Describe the concepts of ecology and ecosystems as applied in permaculture.
3. Demonstrate how patterns and whole systems models of permaculture apply to landscape and garden plantings.
4. Recognize the roles of plants, organisms, soil, and water in the "loop" of permaculture.
5. Assess a permaculture model through a site visit.
6. Identify the planning involved in the design of a permaculture site.
7. Demonstrate comprehension of leadership quality and safety standards of the landscape

horticulture industry, as well as environmental, ethical and legal standards and issues.

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**Explain the student demand for the course and potential enrollment:**

Permaculture is a hot topic, with many people interested in understanding the concepts and methods. This is a required course for the core curriculum.

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**Explain why this course is being revised:**

The revised course description is more applicable to how the course is taught and information utilized by students.

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**What challenges, if any, do you foresee in offering this course:**

None at this time. It puts a new name to some topics presented in past courses. This also introduces concepts and methods new to many people.

This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

Robert Glatt

Print Name

*Robert Glatt*

Signature

1/1/0001

Date

Sarah Skamser

Print Name

*Sarah Skamser*

Signature

1/1/0001

Date

Dean:

Karen L Whitney (Admin)

Print Name

*Karen L Whitney*

Signature

10/15/2013

Date

### Results of SSCC Curriculum Coordinating Council Findings

#### Participating Faculty Response and Remarks

Recommended for approval

Not recommended for approval

Chairman, Curriculum Coordinating Council:

Diane Schmidt

Print Name

*Diane Schmidt*

Signature

3/11/2014

Date

Vice President for Instruction:

Donna Miller-Parker

Print Name

*Donna Miller-Parker*

Signature

4/16/2014

Date