

Department of Horticulture

Oregon State University
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Syllabus

Course Name Permaculture Design Certificate Course

Course Credits: Non-credit

Instructor: Andrew Millison

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Link to instructor's on-line bio/website.

<http://horticulture.oregonstate.edu/content/andrew-millison>

Course Administrator: Tao Orion

Email: oriont@oregonstate.edu

Course Content:

Permaculture Design is a method of landscape planning that can be applied at scales from the home garden to city block to village to farm. It is an ethically based whole-systems design approach that uses concepts, principles, and methods derived from ecosystems, indigenous peoples, and other time-tested practices to create sustainable human settlements and institutions. Although rooted in horticulture and agriculture, Permaculture design is interdisciplinary, touching on a wide range of subjects including regional planning, ecology, animal husbandry, appropriate technology, architecture, and international development.

The course consists of narrated and animated slide shows by Permaculture instructors, educational video tours, assigned readings and viewing of selected material, and interactive assignments that all build up to each student completing an extensive final design project portfolio. Each student posts their work on a blog that is viewed by other students, who are required to give feedback on each others' work.

Upon satisfactory completion of the course, students will receive a Permaculture Design Course Certificate affiliated with the Permaculture Institute of North America and Oregon State University.

Week 1: Climate

Assignments: Personal Survey, Design Site, Climate Survey, Peer Review
Week 1 Quiz: 3 points

Week 2: Landform

Assignments: Base Map, Client Interview, Peer Review
Week 2 Quiz: 2 points

Week 3: Site Analysis

Assignments: Ecology Observations, Sector Compass, Peer Review
Week 3 Quiz: 1 point

Week 4: Design

Assignments: Microclimates, Current Zones, Permaculture Principles, Peer Review
Week 4 Quiz: 2 points

Week 5: Water

Assignments: Water Survey, Site Water Flow Analysis, Peer Review
Week 5 Quiz: 2 points

Week 6: Soil and Nutrient Cycling

Assignments: Soil Map, Soil Tests, Soil Analysis, Peer Review
Week 6 Quiz: 2 points

Week 7: Trees

Assignments: Ecology Survey, Thematic Design, Peer Review
Week 7 Quiz: 2.5 points

Week 8: Gardens and Animals

Assignments: Plant System Design, Peer Review

Week 8 Quiz: 2 points

Week 9: Structures and Settlements

Assignments: Concept Plan, Peer Review

Week 9 Quiz: 2 points

Week 10: Energy and Economy

Assignments: Design Plan Details, Peer Review

Week 10 Quiz: 1.5 points

◆ **Canvas** — This course will be delivered via Canvas, your online learning community, where you will interact with your classmates and with me. Within the course Canvas site you will access the learning materials, tutorials, and syllabus; discuss issues; submit assignments; take quizzes; email other students and the instructor; participate in online activities; and display your projects. For technical assistance, Canvas and otherwise, see

<https://courses.ecampus.oregonstate.edu/studentresources.html>

*** Measurable student learning outcomes:**

- * Comprehension of the Permaculture design system and the protocols for the Permaculture site design process.
- * Understand the basic Permaculture design strategies for water, soil, gardens, trees, climatic zones, structures, and communities.
- * Apply Permaculture teachings to all assignments.
- * Articulate the Permaculture design system through feedback to other students and presentation of projects and assignments

***Required Materials:**

- * Each student must have a way to document their design work and post it to the internet, whether it is a digital camera, scanner, or if they do their mapping projects using a computer program.
- *Students will be producing maps and visual designs, so may need to obtain colored pencils, markers, rulers, circle templates, a sketch pad, or other art supplies deemed necessary by the student depending on the presentation of their work.

*** Learning resources:**

- * Narrated presentations on Canvas
- * Educational video segments on Canvas
- * Links to online video material

*** Evaluation of student performance:**

- * Students will be graded on completion of class assignments, peer review comments, and the final design project:
- * Each assignment will be worth varied points between 4-18, with 21 assignments **(160 points)**
- * Each lesson includes a brief quiz covering some of the key concepts shown in the learning materials. Each quiz varies in points, with a total of 20 overall points.
- * Each student will make 2 peer review comments on other student's work (to be assigned by instructor) worth 2 points per week **(20 points)**

With a total of 200 points, students must get a minimum of 160 points to receive their certificate.

Grades: A=180-200 points, B=160-180 points, C=140-160 points, D=120-140 points, F=119 points or lower

Permaculture Design Course Certificate:

- 1) Student must complete every assignment
- 2) Student must not fall behind more than 2 weeks to allow for instructor feedback and revisions
- 3) Student must earn at least a B (160 points) in the course
- 4) Issuing the certificate is at the sole discretion of the instructor
- 5) If a student falls behind more than 2 weeks and wishes to earn their certificate, they may be asked by the instructor to re-enroll in a future term to complete their work.

◆ Course Policies:

◆ Incompletes — Take this course only if you plan to finish it in a timely manner. You can re-enroll in another term of the course for \$200. Please contact course administrator Tao Orion at oriont@oregonstate.edu for more information.

◆ Expectations for Student Conduct:

Student conduct is governed by the university's policies, as explained in the [Office of Student Conduct: information and regulations](#).

In an academic community, students and faculty, and staff each have responsibility for maintaining an appropriate learning environment, whether online or in the classroom. Students, faculty, and staff have the responsibility to treat each other with understanding, dignity and respect. Disruption of teaching, administration, research, and other institutional activities is prohibited by [Oregon Administrative Rule 576-015-0015 \(1\) and \(2\)](#) and is subject to sanctions under university policies, [OSU Office of Student Conduct](#).

♣ **Academic Integrity** — Students are expected to comply with all regulations pertaining to academic honesty, defined as: *An intentional act of deception in which a student seeks to claim credit for the work or effort of another person or uses unauthorized materials or fabricated information in any academic work.* For further information, visit [Avoiding Academic Dishonesty](#), or contact the office of Student Conduct and Mediation at 541-737-3656.

♣ **Conduct in this online classroom** — Students are expected to conduct themselves in the course (e.g., on discussion boards, email postings) in compliance with the [university's regulations regarding civility](#). Students will be expected to treat all others with the same respect as they would want afforded themselves. Disrespectful behavior to others (such as harassing behavior, personal insults, inappropriate language) or disruptive behaviors in the course (such as persistent and unreasonable demands for time and attention both in and out of the classroom) is unacceptable and can result in sanctions as defined by Oregon Administrative Rules [Division 015 Student Conduct Regulations](#).

♣ **Communications:**

♣ **Ground Rules for Online Communication & Participation:**

- *Online threaded discussions* are public messages, and all writings in this area will be viewable by the entire class or assigned group members. If you prefer that only the instructor sees your communication, send it to me by email, and be sure to identify yourself and the class.
- Posting of personal contact information is discouraged (e.g. telephone numbers, address, personal website address).
- *Online Instructor Response Policy:* Course administrators check email frequently and will respond to course-related questions within 36 hours. We can not guarantee a response on weekends or on US National holidays.
- *Observation of "Netiquette":* All your online communications need to be composed with fairness, honesty and tact. Spelling and grammar are very important in an online course. What you put into an online course reflects on your level of professionalism. Here are a couple of references that discuss
 - writing online: <http://goto.intwg.com/>
 - netiquette: <http://www.albion.com/netiquette/corerules.html>.
- Please check the Announcements area and the course syllabus before you ask general course "housekeeping" questions (i.e. how do I submit assignment 3?). If

you don't see your answer there, then please contact the course administrator.

♣ **Guidelines for a productive and effective online classroom**

The discussion board is your space to interact with your colleagues related to current topics or responses to your colleague's

statements. It is expected that each student will participate in a mature and respectful fashion.

Participate actively in the discussions, having completed the readings and thought about the issues.

Pay close attention to what your classmates write in their online comments. Ask clarifying questions, when appropriate. These questions are meant to probe and shed new light, not to minimize or devalue comments.

Think through and reread your comments before you post them.

Assume the best of others in the class and expect the best from them.

Value the diversity of the class. Recognize and value the experiences, abilities, and knowledge each person brings to class.

Disagree with ideas, but do not make personal attacks. Do not demean or embarrass others. Do not make sexist, racist, homophobic, or victim-blaming comments at all.

Be open to be challenged or confronted on your ideas or prejudices.

◆ **Student Assistance:**

◆ **Contacting the instructor** — Contact the course administrator or your section leader via e-mail for any communications that you wish to remain private. For questions in which the answer may be a benefit to the rest of the class, please post your question on the Main Help Discussion Board within Canvas. That forum is monitored by program staff, who will respond as stated in the *Instructor Response Policy*.

◆ **Technology Support**

If you experience difficulties, errors, or problems in Canvas, please click the Help button located at the bottom of the left sidebar within your Canvas course. Tier 1 technical support is available to you 24 hours a day, 7 days a week.

If you have difficulties accessing your course in Canvas, please contact PACE at (541)737-4197 or email pace@oregonstate.edu. We are available Monday through Friday from 8 a.m. until 5 p.m. Pacific time.