FIELD BOTANY -- Bi 448/548 -- CRN 40372/40386 -- Summer 2016 Syllabus --Classroom: 129 Huestis
Instructor: Susie Holmes—holmess@lanecc.edu    Office Hours by appointment
Course Website: see Canvas for handouts, lecture slides and posted grades

TEXTBOOKS/SUPPLIES:
Required:
  Handbook of Northwestern Plants by Gilkey & Dennis (SCI REF QK144.G5 2001, Call # Holmes 2)
  Dictionary of Word Roots & Combining Forms by Borror (Call # Holmes)
  10X hand lens, razor blade, small ruler & tweezers, sharp pencil, eraser, sketch paper & field notebook
Recommended but optional:
  Vascular Plants of Lane County, Or: An Annotated Checklist by Simpson et. al. (Call # Holmes 5)
  Plant Identification Terminology: An Illustrated glossary by Harris & Harris
  Flora of the Pacific Northwest by Hitchcock & Cronquist (SCI REF QK144.H452, Call # Holmes 3)
  Plants of the Pacific Northwest Coast, eds. Pojar & MacKinnon (SCI REF QK144.P5, C# Holmes 4)

GENERAL NOTES:
Classroom sessions will be taught in a mixed lecture-lab/workshop format. On Wednesdays the class will be concluded with a twenty-minute quiz period (or begin with a quiz if we are in the field).

Mandatory field trips begin at 7:30 a.m. and end at 5:20 p.m. at the latest (more or less). These days will be spent visiting various habitats of the region; instruction will take place in the field on these days. A final field-identification practical will be held during the last class session on Weds 8/10.

Students should keep in mind that this course is designed to satisfy an upper-division degree requirement for biology majors. Students are expected to attend all classroom and field sessions. Because each is unique, it is not possible to make up any quiz or field trip by outside reading or other extra work. Missed sessions can significantly reduce the final course grade. Excessive tardiness can also have a negative effect on grading.

COURSE SCHEDULE:
(subject to change)

WEEK ONE
Botanical keys.  Use of microscopes and lab tools.  Intro to Gymnosperms and Angiosperms.  Ferns and Conifers Lab.  Intro to plant families.
Homework: Read pages 454 through 459 of the textbook (Gilkey & Dennis). Study ferns, conifers and terminology covered in class. Study for Quiz 1 on Weds 7/20.  Option: Tab index textbook.

Homework: Read pages 460 through 465 of the textbook.  Study species from Week 1.  Finish up Week 1 lab reports due Mon 7/25.

Friday, July 22.  Field trip to Horse Rock Ridge & Mohawk RNA with BLM Botanist Cheshire Mayrsohn.

WEEK TWO
Homework: Study species and family characteristics.  Study for Quiz 2 in the field on Weds 7/27.

Homework: Study family descriptions and species covered in Week 2. Finish up Week 2 lab reports due Mon 8/1.

Friday, July 29. Field trip to Patterson Mountain. Old growth coniferous forest and alpine meadow.

**WEEK THREE**


Homework: Study families and species covered in Week 3. Study for Quiz 3 on Weds 8/3.

Wednesday, August 3. Field trip to Stewart Pond, surveying and mapping plant populations. Quiz 3 *in the field*.

Homework: Study family descriptions and species covered in Week 3. Finish up Week 3 lab report and field trip report due Mon 8/8.

Friday, August 5. Field trip to Coast Range and coastal strip or Stewart Pond and WEW. Study Asteraceae, Liliaceae, Orchidaceae, Iridaceae, Juncaceae, Cyperaceae, and Poaceae. Aquatic plants and wetlands.

**WEEK FOUR**


Homework: Study for last class final field practical and online course evaluation.

Wednesday, August 10. Final field practicum. Leave from Huestis 129 at start of class. Location TBA.

**GRADING:**

Quizzes……………………………………..10% each……………………………………..30%
Lab Reports……………………………………..10% each……………………………………..30%
Field Trip Report…………………………………………………………..10%
Final Exam………………………………………………………………………………..30%

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Total…………………………………………………………………………………………100%

**IMPORTANT:** Remember to bring your hand lens and textbook, *Handbook of Northwestern Plants*, to every class session and on every field trip!!!

**2015 Academic Deadlines:**

Last day to drop with 100% refund and no "W" = July 19
Last day to drop with 75% refund and no "W" = July 20
Last day to Add = July 21
Last day to change to or from credit/audit = July 21
Last day to withdraw with 50% refund with a "W" = July 25
Last day to withdraw, no refund, with a "W" = August 4
Last day to change grading options = August 3