ENR 4890H: Honors Colloquium
Fall 2016

Instructor: Dr. Lauren Pintor
Office: 473C Kottman Hall
Office Hours: By Appointment
Email: pintor.6@osu.edu
Credit: Lecture/Recitation, 2 hours
Time: Tuesdays, 4:10pm – 5:05pm
Location: 460 Kottman Hall

Course Description & Goals:
The overall goal of this course is to develop the skills needed to prepare a competitive research proposal in the natural and social sciences.

Specifically, the objectives of this course include:
1) To conduct a literature review and synthesize the published knowledge and ideas on a topic directly related to your proposed thesis research question.
2) To design a study and propose methodology that effectively tests your research question and set of hypotheses.
3) To develop a budget to support the proposed research.
4) To present your proposed research project to peers and faculty.
5) To prepare and submit a full research proposal in fulfillment of the ENR Honors Program requirements.

Course Assessment & Grading:
The grading for this course is satisfactory/unsatisfactory. Completion of all assignments listed below and no unexcused absences are required to achieve a satisfactory grade.

Assignments include:
1) Literature review.
2) Leading an informal discussion of your study design.
3) First draft of research proposal.
4) Formal presentation of research proposal to students and faculty.
5) Final draft of research proposal.

Literature Review:
Each student will conduct a literature review relevant to the topic of your research question. Students will incorporate a minimum of 15 references and at least 10 of the 15 must be from peer-reviewed sources/journals. Please note that most reviews typically contain significantly more sources. More details will be given during class, but briefly, the literature review aims to convey to the readers a synthesis of the knowledge and ideas that have been established on your research question. The review should be a minimum of 8 pages, double-spaced (11 or 12 point font). Your literature review will eventually be consolidated/shortened and incorporated into the introduction of your research proposal.
Research Proposal:
Each student will write and submit a research proposal. The proposal format will be reviewed in
detail during the course, but briefly, the proposal will reflect the average proposal requirements for
several undergraduate research competitions on campus (e.g. OSU’s URO Summer Research
Fellowship, OARDC Undergraduate Seeds Grant Competition). The proposal should be 10-pages,
double-spaced (11 or 12-point font) and contain the following components:
1) Introduction/Background
2) Rationale & Significance of Work
3) Study Design & Methods
4) Anticipated Pitfalls
5) Literature Cited (not part of 10-page limit)
6) Budget (not part of 10-page limit)
7) CV (not part of 10-page limit)

Research Presentation:
Each student will be required to present their proposed research to students and faculty. Each
presentation will be 12-15 minutes long, with 5 minutes for questions and discussion from the
audience. Students will be required to give constructive feedback on their peer’s presentations.

Academic Misconduct:
It is the responsibility of the Committee on Academic Misconduct to investigate or establish
procedures for the investigation of all reported cases of student academic misconduct. The term
“academic misconduct” includes all forms of student academic misconduct wherever committed;
illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with
examinations. Instructors shall report all instances of alleged academic misconduct to the committee
(Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct
at http://studentlife.osu.edu/csc/.

Take care of yourself
A recent American College Health Survey found stress, sleep problems, anxiety, depression,
interpersonal concerns, death of a significant other, and alcohol use among the top ten health
impediments to academic performance. Students experiencing personal problems or situational crises
during the semester are encouraged to contact the Office of Student Life (614-292-9334;
https://studentlife.osu.edu/) and/or Counseling and Consultation Services (614-292-5766;
www.ccs.osu.edu) for assistance, support, and advocacy. They offer a number of FREE drop-in-
when-you-are-able workshops. No registration is necessary, no prior appointment is needed.
These workshops are open to all enrolled OSU students. (http://www.ccs.ohio-state.edu/drop-
in-workshops/).

Email Etiquette
Email communication with the instructors of the course should be considered formal, similar to other
business-style email correspondence. Your email should address your instructor by title and name
unless instructed otherwise. Please use the appropriate capitalization, spell out words completely and
sign your complete name. I will usually be able to answer your emails within 24 hours (except on
weekends). I typically will not respond to email between 9pm-9am. If you have substantive
questions about course content, please schedule a time to meet with me when we can talk more
productively.

Course Schedule & Due Dates for Assignments on the Back!
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<th>Topic</th>
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<td>23-Aug</td>
<td>Introduction &amp; Course Overview</td>
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<td>2</td>
<td>30-Aug</td>
<td>Generating Research Questions</td>
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<td>6-Sep</td>
<td>Conducting a Literature Search &amp; Managing References, Jessica Page (CFAES Library)</td>
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<td>4</td>
<td>13-Sep</td>
<td>Conducting a Literature Review</td>
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<td>20-Sep</td>
<td>Tentative: Writing Resources on Campus, OSU's The Writing Center</td>
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<td>6</td>
<td>27-Sep</td>
<td>Hypotheses, Objectives &amp; Study Design, Part I</td>
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<td>4-Oct</td>
<td>Hypotheses, Objectives &amp; Study Design, Part II</td>
<td>Literature Review Due</td>
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<td>11-Oct</td>
<td>Student-led discussions of research questions and study design</td>
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<td>9</td>
<td>18-Oct</td>
<td>Student-led discussions of research questions and study design</td>
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<td>25-Oct</td>
<td>OARDC Seeds &amp; OSU/URO Proposal Mechanics &amp; Guidelines</td>
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<td>11</td>
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<td>Preparing a Research Budget</td>
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<td>8-Nov</td>
<td>Writing an Effective Curriculum Vitae (CV)</td>
<td>First draft of proposal due</td>
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<td>Paired Peer Review of Proposals</td>
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<td>Final draft of proposal due</td>
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