

CAPILANO UNIVERSITY COURSE OUTLINE		
TERM: Fall 2015		COURSE NO: LBST 335
INSTRUCTOR:		COURSE NAME: Grand Challenges -- An Interdisciplinary Approach
OFFICE:	LOCAL:	SECTION NO(S): CREDITS: 3
E-MAIL:		
OFFICE HOURS:		

COURSE FORMAT: Three hours of class time, plus an additional hour delivered through on-line or other activities for a 15-week semester, which includes two weeks for final exams.

COURSE PREREQUISITE: 45 credits of 100 level or higher coursework including one of the following research methods courses: ABA 312, CMNS 260, CMNS 262, DSGN 325, DSGN 326, EDUC 373, EDUC 473, LAW 210, LBST 200, LBST 201, LBST 330, PSYC 213 or TOUR 327.

COURSE DESCRIPTION: Teams of scientists, researchers, and innovators across the disciplines and various sectors are working together to solve the twenty-first century's grand challenges. Whether tackling sustainable cities, global health or declining biodiversity, developing viable solutions require teams of specialists across multiple fields of expertise working together. Taking a localized approach to grand challenges, this project-based course will explore and propose solutions to topical regional issues -- i.e. affordable housing, green transportation, food security, and resource development -- from an interdisciplinary perspective.

LEARNING OUTCOMES: Upon successful completion of this course, students will be able to:

- demonstrate how complex problems are best tackled with an interdisciplinary approach;
- develop and complete an interdisciplinary research project rooted in regional issues;
- apply quantitative and qualitative research methods to specific problem or challenge;
- consult with and draw upon expertise of local experts during the research process;
- compile, edit and present research findings in a variety of formats;
- work successfully as a member of a research team.

COURSE WEBSITE: TBA

REQUIRED TEXTS:

Repko, A., W.H. Newell, and R. Szostak (2011). *Case Studies in Interdisciplinary Research*. Sage Publications.

Additional resources and readings will be chosen by the term instructor(s) with reference to the Liberal Studies term theme -- e.g. Fall 2015 / Sustainability -- and grand challenge in question.

COURSE CONTENT:

Topic I	Introduction: The Challenge (1 week)
Topic II	Preliminaries: Identifying Community Needs and Stakeholders (2 weeks)
Topic III	The Research Process (4 weeks)
Topic IV	Synthesizing Findings + Recommendations and Writing Up (2 weeks)
Topic V	Building Project Site (3 weeks)
Topic VI	Reporting Out (1 week)

COURSE ASSIGNMENTS: The assignments will consist of individual research contributions and presentations as well as the project report and website itself.

EVALUATION PROFILE:

<u>Individual</u>	Research Proposal	10%
	Research Report	20%
	Research Presentation	10%
	Blog posts / Reflection questions (via e-portfolio platform)	10%
<u>Group</u>	Project Report	25%
	Project Website	25%
TOTAL		100%

GRADE PROFILE:

A+ = 90 - 100%	B+ = 77 - 79%	C+ = 67 - 69%	D = 50 - 59%
A = 85 - 89	B = 73 - 76	C = 63 - 66	F = 0 - 49
A- = 80 - 84	B- = 70 - 72	C- = 60 - 62	

OPERATIONAL DETAILS: Capilano University has policies on Academic Appeals (including appeal of final grades), Student Conduct, Cheating and Plagiarism, Academic Probation and other educational issues. These and other policies are available on the University website.

<u>Attendance:</u>	Attendance will be taken. Failure to attend classes regularly will inevitably result in poor grades.
<u>Late Assignments:</u>	Late assignments will be penalized, unless a formal extension is given in advance of the deadline. An extension is given only under exceptional circumstances, usually requiring a doctor's note.
<u>Missed Exams:</u>	Make-up tests are given at the discretion of the instructor. They are generally given only in medical emergencies or severe personal crisis. Students should be prepared to provide proof of inability to write the test on the scheduled date.
<u>English Usage:</u>	It is the responsibility of students to proofread all written work for any grammatical, spelling and stylistic errors. Marks will be deducted for incorrect grammar and spelling in written assignments.
<u>Incomplete Grades:</u>	Given at the discretion of the instructor. Generally given only in medical emergencies or severe personal crises.
<u>Electronic Devices:</u>	No personal electronic devices (cell phones, laptops) may be used during an exam. During class, please turn off all cell phones. Laptops can be used for note-taking purposes only.
<u>Emergencies:</u>	Students are expected to familiarise themselves with the emergency procedures posted on the wall of the classroom.