COURSE OUTLINE

Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

Calendar Description on the web:

http://camosun.ca/learn/calendar/current/web/ics.html#ICS221

1. Instructor Information
   a) Instructor: Jason Cumiskey
   b) Location: TEC 249
   c) Phone: 370-4652
   d) Email: cumiskey@camosun.bc.ca
   e) Course Website: http://online.camosun.ca (D2L)

2. Intended Learning Outcomes
   a) Describe web services, the need for web services, and the principles of service-oriented architecture;
   b) Design, implement, test, debug, optimize and deploy web-based applications and web services using modern technology;
   c) Use development tools to create and interact with web services;
   d) Identify and select the appropriate framework components in the creation of web service solutions;
   e) Apply object-oriented programming principles to the creation of web service solutions;
   f) Apply accepted standards to ensure security, privacy, and integrity of web services while recognizing the ethical, legal, and social implications of web services implementations.

3. Required Courses
    C in ICS 211

4. Basis of Student Assessment(Weighting)

Labs (approx. 6 - 8)	40%
Mid-Term	25%
*Final D2L Exam (last week of class)	10%
*Project	25%
Total:	100%

* The combined mark for the Project/Final must be >50% to pass the course (but note that they are not weighted equally).

5. Materials
    a) Texts – None required. Recommended:
        Pro Git (2nd Ed.): https://git-scm.com/book/en/v2

    b) Online Resources
        • Node.js LTS v10.x Docs: https://nodejs.org/dist/latest-v10.x/docs/api/
        • Ry's Git Tutorial: look for it on amazon (kindle edition is cheap)
        • Express API: https://expressjs.com/en/4x/api.html
        • Django Docs: https://docs.djangoproject.com
        • MongoDB Docs: https://docs.mongodb.com/

    c) Software
        Docker   Visual Studio Code (or other)
        Git/GitLab   Node.js

    d) Other
        • Other resources may be provided as the course progresses in the form of online links or handouts.

6. Course Policies and Guidelines
    ** Demos must be completed in the lab they are due. Only team members present get credit.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

> There are a variety of services available for students to assist them throughout their learning. Services for Students is available on the College web site at:
> http://camosun.ca/services/
> Learning Support is available on the College web site at:
> http://camosun.ca/services/accessible-learning/

STUDENT CONDUCT POLICY

> There is a Student Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.
> http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf

Note on Student Conduct:

I encourage students to collaborate and work together. In the domain of Computer Science, however, it is all too easy to share code. This constitutes fraud. You may help each other by explaining what your code does, but do not blindly copy and paste! Fraud will be handled as outlined by the student conduct policy linked above.

Guidelines for Behavior During Lectures and Labs:

1. Lecture and lab times are the primary sources of contact with the instructor and the course material. During those times disruptive activities such as texting and cell-phones, unrelated talking, and so on challenge the integrity of the course delivery. Please make sure any electronic equipment is switched to silent mode during class and lab times.
2. If you cannot hear the instructor or cannot see the board, please let the instructor know.
3. Please respect your classmates and treat each of them with courtesy.
4. If there is a sustained pattern of disruption from any individual, that individual will be asked to leave the room.
5. Drink in the classroom is OK, but not food. Food tends to smell and is disruptive to the lecture. Any spillage is your responsibility.
6. Open Drinks or Food are not allowed in the labs (A drink in a thermos is OK). Bits of food over the lab desks, chairs, keyboards and floor is not hygienic. Drinks may spill and damage the workstation or leave a sticky mess.
7. The use of laptops in class to type up lecture notes is ok. Please refrain from text messaging or gaming activity until the class is over.
8. Contact your instructor if you feel there is an issue regarding class climate that needs to be addressed.

8. Grading Policy

a) **Standard Grading System (GPA)**

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a 'D' grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

b) **Temporary Grades**

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.5.pdf for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	*In progress*: A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	*Compulsory Withdrawal*: A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.