COURSE DIRECTIVE

Bachelor of Information Technology
IN512: Web 1 – Technology and Development
Semester Two, 2019

DESCRIPTION

In this paper, students will be introduced to a wide range of industrially relevant tools and best practices for developing client-side web applications. Students will also gain an understanding of ethical and legal issues in web development.

COURSE INFORMATION

Credits: 15 credits
Perquisites: IN510 Programming 1

LECTURERS

Name: Grayson Orr (Lecturer)
Location: D311
Email: grayson.orr@op.ac.nz

Name: Adon Moskal (Senior Lecturer)
Location: D205a
Email: adon.moskal@op.ac.nz

COURSE DATES

Term 1: 22nd July – 27th September
Mid semester break: 30th September – 11th October
Term 2: 14th October – 22nd November
Dale's Day: 23rd August
Labour Day: 28th October

AIMS

To enable students to use basic technologies for the development of web-based functionality.

LEARNING OUTCOMES

At the successful completion of this course, student will be able to:

1. Develop client-side web applications using HTML, CSS, and JavaScript.
2. Use basic web communication protocols.

3. Apply fundamental design principles to the construction of client-side web applications.
4. Demonstrate ethical internet practices.

RESOURCES

Software

This paper will be taught using **Microsoft Visual Studio Code**. An installer for **Microsoft Visual Studio Code** is available. See https://secure.ict.op.ac.nz/msdnaa/. Please refer any problems with downloads or installers to **Rob Broadley** in **D205a**.

Readings

There is no textbook for the course.

PROVISIONAL SCHEDULE

Week	Date	Session 1	Session 2
1	22-07-2019	Intro to the Web and Workflow	Intro to HTML and CSS
2	29-07-2019	Box Model and Dev Tools	Static Site 1
3	05-08-2019	Static Site 2	Flexbox
4	12-08-2019	Responsive Design	Forms
5	19-08-2019	ES6 1	ES6 2
6	26-08-2019	ES6 3	Dale's Day
7	02-09-2019	Debugging	Skeleton CSS 1
8	09-09-2019	Skeleton CSS 2	jQuery 1
9	16-09-2019	jQuery 2	Open Source Libraries
10	23-09-2019	Assignment Work	Assignment Work
Mid Term Break			
11	14-10-2019	Skills Based Assessment Practice	Skills Based Assessment
12	21-10-2019	Jekyll 1	Jekyll 2
13	28-10-2019	Labour Day	Jekyll 3
14	04-11-2019	Project Work	Project Work
15	11-11-2019	Project Work	Project Work
16	18-11-2019	Project Work	Project Work

ASSESSMENT

Assessment	Weight	Due Date
Assignment	20%	Friday 27th September 5pm
Skills Based Assessment	30%	Thursday 17th and Friday 18th October
Checkpoints	20%	Weekly
Project	30%	Friday 22nd November 5pm

Detailed assignment requirements, including instructions for submission, will be provided for each assessment.

COURSE REQUIREMENTS & EXPECTATIONS

Learning Hours
This course requires 150 hours of learning. This time includes 64 hours of timetabled class time, and 86 hours of self-directed reading, preparation and completion of assessment work.

Criteria for Passing
To pass this paper, you must achieve an overall average of 50. There must be a genuine attempt at all assessments. There are no resits.

Attendance
- Students are expected to attend all classes, both lectures and labs.
- If you miss a class, you will need to get notes from another student.
- If you cannot attend for a few days for any reason, please contact your lecturer.
- You must turn up ready for assessments on the due date and at the correct time. No extra time will be scheduled. If you do not turn up, you have failed the assessment.

Communication
Microsoft Outlook and Teams are the official communication channels. It is your responsibility to regularly check Microsoft Outlook/Teams and GitHub for important course related material, including changes to class scheduling or assessment details. Not checking will not be accepted as an excuse.

Snow Days/Polytechnic Closure
In the event the Polytechnic is closed or has a delayed opening because of snow or bad weather, you should not attempt to attend class if it is unsafe to do so. It is possible that your instructor will not be able to attend either, so classes will not physically be meeting. However, this does not become a holiday. Rather, material will be made available on GitHub for classes affected by the closure. You are responsible for any material presented in this manner. Information about closure will be posted on the Otago Polytechnic Facebook page https://www.facebook.com/Otago.

Group Work and Originality
Students in the Bachelor of Information Technology degree are expected to hand in original work. Students are encouraged to discuss assessments with their fellow students, however, all assessments are to be completed as individual works unless group work is explicitly required (i.e. if it doesn't say it is group work then it is not group work – even if a group consultation was involved). Failure to submit your own original work will be treated as plagiarism.

Referencing
Appropriate referencing is required for all work. Referencing standards will be specified by your lecturer.

Plagiarism
Plagiarism is submitting someone else's work as your own. Plagiarism offences are taken seriously and an assessment that has been plagiarised may be awarded a zero mark. A definition of plagiarism is in the Student Handbook, available online or at the School office.

Submission Requirements
All assessments are to be submitted by the time, date, and method given when the assessment is issued. Failure to meet all requirements may result in a penalty of up to 10% per day (including weekends).

Extensions
Extensions are only available for unusual circumstances. These must be applied for, and approved, prior to the submission deadline.

Impairment
In case of sickness contact your lecturer or BIT Team Leader (Joy Gasson) as soon as possible, preferably before the assessment or exam is due. The policy regarding the granting of a mark that considers impaired performance requires a medical certificate and a medical practitioner's signature on a form. You may should refer to the guide on impaired performance on the student handbook.

Appeals
If you are concerned about any aspect of your assessment, please approach the lecturer in the first instance. We support an open-door policy and aim to resolve issues promptly. Further support is available from the BIT Team Leader (Joy Gasson) and Head of College (Richard Nyhof). Otago Polytechnic has a formal process for academic appeals if necessary.

Other Documents
Regulatory documents relating this course can be found on the Polytechnic website.