Course Directive
IN607: Introduction Application Development Concepts
Semester One, 2021

Course Information

Credits:	15 Credits
Prerequisite:	IN511: Programming 2
Recommended:	IN512: Fundamentals of Web Development
Stream A Timetable:	Add times here & Add times here

Lecturers

Name:	Adon Moskal (Principal Lecturer)	Grayson Orr (Lecturer)
Office:	D205b	D311
Email:	adon.moskal@op.ac.nz	grayson.orr@op.ac.nz

Course Dates

Term 1:	22 February - 16 April (8 weeks)
Mid Semester Break:	19 April - 30 April (2 weeks)
Term 2:	3 May - 25 February (8 weeks)

Aims

To introduce the concepts of application development including algorithms, data structures & design patterns that are required to use a simple, industry-relevant development framework.

Learning Outcomes

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

1. Design & build usable, secure & attractive applications with dynamic database functionality following an appropriate software development methodology.

Resources

Software

This paper will be taught using **Microsoft Visual Studio 2019** & **Microsoft Visual Studio Code**. An installer for **Microsoft Visual Studio 2019** & **Microsoft Visual Studio Code** is available. See https://visualstudio.microsoft.com/downloads & https://code.visualstudio.com/Download. 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	22-02-2020	ASP.NET Core 5.0
2	01-03-2020	ASP.NET Core 5.0
3	08-03-2020	MongoDB
4	15-03-2020	JSON Web Tokens
5	22-03-2020	NUnit
6	29-03-2020	React
7	05-04-2020	React
8	12-04-2020	Cypress.IO
	Mid Term Break	
9	03-05-2020	Azure
10	10-05-2020	Project Work
11	17-05-2020	Project Work
12	24-05-2020	Project Work
13	31-05-2020	Project Work
14	07-06-2020	Project Work
15	14-06-2020	Project Work
16	21-06-2020	Project Work

Assessments

Assessment	Weighting	Due Date	Learning Outcomes
Project	100%	23-06-2020	1

Course Requirements & Expectations

Learning Hours

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

Criteria for Passing

To pass this paper, you must achieve a cumulative mark of 50%. Resits & reassessments are not applicable.

Attendance

- You are expected to attend all classes, i.e, lectures & labs.

- If you miss a class, you will need to catch up in your own self-directed time.

- If you cannot attend a class for any reason, please contact your lecturers (Adon Moskal & Grayson Orr).

Communication

Microsoft Outlook & Teams are the official communication channels. It is your responsibility to regularly check Microsoft Outlook/Teams & 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 lecturer will not be able to attend either, so classes will not physically be meeting. However, this does not become a holiday. Rather, the 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.

Group Work & 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 work 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.

Plagiarism

Plagiarism is submitting someone elses work as your own. Plagiarism offences are taken seriously & an assessment that has been plagiarised may be awarded zero. A definition of plagiarism is available here.

Referencing

Appropriate referencing is required for all work. Referencing standards will be specified by your lecturers (Adon Moskal & Grayson Orr).

Submission Requirements

All assessments are to be submitted by the time, date & 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 & approved, before the assessment due date.

Impairment

In case of sickness contact your lecturers (Adon Moskal & Grayson Orr) or BIT Team Leader (Michael Holtz) 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 & a medical practitioner's signature on a form. You may refer to the guide on impaired performance on the student handbook.

Appeals

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

Other Documents

Regulatory documents relating to this course can be found on the Otago Polytechnic website.