

Unit Details and Schedule

comp315/comp415

January 21, 2009

Administrative Details

Unit Title: Web & Internet Programming
Unit Codes: comp315 and comp415
Semester: One, 2009

Description of Unit:

This unit will be a comprehensive guide to programming on the world wide web, concentrating on the *common gateway interface* (CGI). The unit will also provide an introduction to the language PERL, the duct-tape of the Internet, concentrating on its use as a CGI language. The unit will also provide a basis for the construction, and maintenance of web sites with dynamic web pages, and touch on new technologies such as

Javascript, PHP, Python, Ruby, Rails, and XML.

Lecturer: *Dr Ioan Despi*
Office: 107 Maths Building
Phone: (02) 6773 2513
Email: comp315@turing.une.edu.au
Office Hours: Monday 10-12am, 4-5pm, Tuesday 11-12am
Lectures: Monday 9-10am B251 & Thursday 9-10am
Tutorials: Tuesday 9am – 11am MCL3
Tutor: TBA

0.1 Assessment

N.B. A 50% average in the coursework must be obtained to pass the course.

Assignments: 3 assignments (worth 50% for comp315 but 30% for comp515)

Programming Projects: 1 project (worth 20% for comp315 only)

Exams: 1 exam worth 50%

BBoard: *You must also monitor the unit bboard, found on the unit web page.*

Failure to do so will mean you will miss important announcements and clarification.
*To be completely clear: **Monitoring the bboard is a compulsory part of the***

Tentative Schedule for comp315 / comp515 for 2009

Please understand that this schedule is not set in stone! *Though the assignment and project due dates are correct.*

Week		Subject	Reading Online	Work (Friday 11)
1.	23 Feb - 1 March	<i>Intro to CGI and a Perl Flythru</i>	Lectures 01 & 02	Assignment 1 ha
2.	2 - 8 March	<i>Perl Data, IO, Control, Matching</i>	Lectures 03 & 04	
3.	9 - 15 March	<i>Patterns, File Handles,</i>	Lectures 05 & 06	First project han
4.	16 - 22 March	<i>System Calls, Databases,</i>	Lectures 07 & 08	Assignment 2 ha
		<i>References, and Objects</i>		
5.	23 - 29 March	<i>Modules, CGI basics, and CGI.pm</i>	Lectures 09 & 10	Assignment 1 du
6.	30 March - 5 April	<i>More on CGI.pm, File Locking,</i>	Lectures 11 & 12	
		<i>and File Uploading</i>		
7.	6 - 12 April	<i>File Uploading, Error Handling,</i>	Lectures 13 & 14	Assignment 3 ha
		<i>and Cookies</i>		
M i d s e m e s t e r B r e a k (13 April - 3 May)				
8.	4 - 10 May	<i>Templates, and JavaScript</i>	Lectures 15 & 16	Assignment 2 du
9.	11 - 17 May	<i>Security</i>	Lectures 17 & 18	
10.	18 - 24 May	<i>Searching, and Graphics</i>	Lectures 19 & 20	
11.	25 - 31 May	<i>Advanced Topics, PHP</i>	Lectures 21 & 22	Assignment 3 du
12.	1 - 7 June	<i>More Advanced Topics, Python, Ruby</i>	Lectures 23 & 24	
13.	8 - 14 June	<i>Revision, XML</i>	The Whole Enchilada!	First Project due

Assignments and Projects

Assignment 1	March 27
Assignment 2	May 8
Assignment 3	May 29
Project 1	June 12