Varsity College
Year 11 Digital Solutions 2024

Term 1

Week	Date	Topics	Assessment
1	**22-26 January** O-Week Australia Day PH Fri	• Programming elements • Components of digital solutions	
2	**29 Jan-2 Feb**	• User interface and useability principles • Mind maps • HTML, CSS and JavaScript fundamentals	
3	**5-9 February** Swimming Carnival - Thurs	• PHP Programming fundamentals • User experience • PHP Forms and validation	
4	**12-16 February**	• Prescribed criteria and self-determined criteria • PHP superglobals • PHP conditionals, operators, loops	
5	**19-23 February**	• PHP Functions	
6	**26 Feb-1 Mar** GC24 - Wednesday	• Test cases	**Draft due**
7	**4-8 March**	• Impacts • Review draft feedback	
8	**11-15 March**	• Modification of solution	**FIA1 Project Lesson 3**
9	**18-22 March** GC24 - Thursday	• Assessment review and analysis	
10	**25-29 March** Good Friday PH	**EXAM BLOCK**	
	School holidays: Friday March 29 - Sunday April 14		

Term 2

Week	Date	Topics	Assessment
1	**15-19 April** Cross Country - Wed	• Data flow relationships • Programming elements	
2	**22-26 April** GC24 - Tuesday Anzac Day PH - Thurs	• User interface • Visual communication principles and elements	
3	**29 Apr-3 May**	• Data stores and relational databases • Data diagrams	
4	**6-10 May** Labour Day PH - Mon	• SQL fundamentals	
5	**13-17 May**	• Advanced SQL techniques	
6	**20-24 May**	• UI and data connections	**FIA2 Draft Due**
7	**27-31 May**	• Impacts • Review draft feedback	
8	**3-7 June**	• Modification of solution	**FIA2 Project Lesson 3**
9	**10-14 June** GC24 - Wednesday	• Assessment review and analysis	
10	**17-21 June** Athletics Carnival - Thurs	• Intro to data file formats and data storage	
	School holidays: Saturday June 22 - Sunday July 7		

Term 3

Week	Date	Topics	Assessment
1	**8-12 July**	• Data file formats and Data storage	
2	**15-19 July**	• Developing Entity Relationship Diagrams	
3	**22-26 July** GC24 - Thursday	• Conversion of ERD to conceptual schema / Relational database data types	
4	**29 Jul- 2 Aug**	• Normalisation to 3rd normal form	
5	**5-9 August**	• Structured Query language and concrete schema	
6	**12-16 August** GC24 Finals – Wed.	• Generate Code, SQL and Assessment	**FIA3 Draft Due**
7	**19-23 August**	• Generate Code, SQL and Assessment	
8	**26-30 August**	• Generate Code, SQL and Assessment	**FIA3 Project Lesson 3**
9	**2-6 September**	• Assessment review and analysis	
10	**9-13 September**	**EXAM BLOCK**	
	School holidays: Saturday September 14 – Sunday September 29		

Term 4

Week	Date	Topics	Assessment
1	**30 Sept – 4 Oct**	• Mind Maps, Self-determined and Prescribed Criteria	
2	**7-11 October** King's B'day PH - Monday	• Analysis of tools and language. • ERD development and conversion	
3	**14-18 October**	• Development and Analysis of Concrete Schema	
4	**21 - 25 October**	• Data Dictionaries, Pseudocode and Dataflow diagram	
5	**28 Oct – 1 Nov**	• Generate the low-fidelity prototype	**IA1 Draft**
6	**4-8 November**	• Evaluation, refinements and generate video presentation	
7	**11-15 November**	• Submission of Internal Assessment 1	**IA1 Final Lesson 3**
8	**18-22 November**	**EXAM BLOCK**	
	School holidays: Saturday November 23 – Monday January 27		