## Evaluation of previous courses

BCIS201 Alternative Modelling

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| Relevant content | Future content |
| * Provided insight into a number of different software development methodologies, from traditional waterfall style to agile scrum/extreme programming * Explanation of different IT roles both within an IT department of a company and within development teams   The content in this course was very relevant to my project at Jade. The knowledge I gained meant I could easily work in an Agile scrum environment, and pick up technologies like Jira. | Further details into the management tools used within the different development approaches. It would have been beneficial to have learnt about Jira, Asana or other project tracking tools/software. |

BCIS202 Systems design and implementation

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| Relevant content | Future content |
| * Understanding into what factors influence the quality of IT solutions * The development of quality assurance plans, that can be incorporated into a project management plan   Systems design and implementation, gave a clear understanding of what quality assurance techniques exist and how they can be implemented into a project. | I feel with this course, content could be shifted away from a purely project management perspective, and show real-world examples of quality projects, and what planned efforts where used to produce it. |

BCPR203 Database Management Systems

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| Relevant content | Future content |
| * Understanding of the major objectives of database technology * Expertise in SQL * Explanation of the issues involved in the web access of a database   Although I was using Entity Framework to modify and interact with the database, the relevant content in this course gave me the option to manually code the SQL, and allowed me to easily understand the queries behind the migrations. I was also confident to change the database manually | Content could include working with object-relational mapping technologies like Entity Framework. |

BCIS206 Professional Practice

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| Relevant content | Future content |
| Professional practice gave me experience speaking and communicating effectively to a group of people. Relevant content also involved professional etiquette, cultural sensitivities | No recommendation for future content in this course |

BCIT242 Website Development

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| Relevant content | Future content |
| * Understanding and application of basic website design principles * Use of a text editor to create effective HTML pages, using CSS, SEO * Create dynamic HTML through the use of JQuery, JavaScript   The course had a lot of relevant content towards my project. As it was primarily front-end, the course material helped a lot with understanding and editing the existing HTML and CSS code. My knowledge of basic interface design principles also helped in the project. | * AngularJS * ReactJS   Focus more on the current web design trends, and the technologies involved |

BCPR280 Software Engineering 2

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| Relevant content | Future content |
| * Introduction in to software engineering processes and practices which assist in delivering high quality software at agreed cost and schedule * Systematically debug and test programs to the systems level * Maintain existing programs * Design and code programs and user interfaces which conform to recognised standards   This course gave experience working to produce a number of programs, following a development lifecycle and completing multiple iterations. I was required to keep a record of my time, and perform analysis on my performance. | I would suggest a broader range of projects that the user can choose from, to work and build knowledge on.  Introducing students to an object oriented programming language, rather than being JavaScript based |

BCPR282 Best Programming Practices in Java

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| Relevant content | Future content |
| * Describe and use common design patterns, Algorithms and programming language Idioms * Debug and test programs to the systems level * Maintain existing programs   This course provided me with knowledge of the Model View Controller framework, which was implemented in both client and server side environments of the Innovation Hub. I also gained experience understanding and working with other developer’s code, which was very relevant to my industry project | Larger focus on source control   * Best practices * Different programs, and GUI’s * Git-flow? |

BCPR283 Best Programming Practices in C# .NET

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| Relevant content | Future content |
| * Develop competence in a programming language * Describe and use common design patterns, algorithms and programming language idioms * Debug and test programs to the systems level * Maintain existing programs   The experience I gained with C# .NET in this course helped greatly in understanding the back-end design of the Innovation Hub. I was able to confidently make changes to the code base, and understand the flow of data through the server. | Larger focus on source control   * Best practices * Different programs, and GUI’s * Git-flow? |

BCIS Software Applications and IS Testing

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| Relevant content | Future content |
| * Understand the importance of testing in different phases of software development, requirements, specifications, code * Interface testing and tools for automation * Explanation of different testing approaches, and understanding test priority   The relevant content in this course, enabled me to successfully test and debug the website and improve its overall quality. | * Less focus on test and use cases * Practical assessments, in which student’s debug and test an application with a known number of defects * Industry practice can be followed |

BCPR294 Server-side web programming

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| Relevant content | Future content |
| * Use a server-side scripting language to program a data base connection solutions and web to database interconnections * Programme dynamic page generation * Program a user-friendly client interface for a web service   The technologies and methods learnt in this course, helped me understand the design and setup of the server-side of the Innovation Hub. | * Coverage of object-relational mapping technologies * Comparisons to other server-side languages, aside from PHP |

BCIS301 Management of ICT

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| Relevant content | Future content |
| Constructing a project proposal, ensuring all the required content is included.   * Specific enough requirements * Dates and detailed timeline * Stakeholders – clients * Project objective | No recommendations for change of content. |

BCPR301 Advanced Programming

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| Relevant content | Future content |
| * Ensure that students have to knowledge and experience to effectively learn a new programming language * Choose and implement appropriate design languages   For the project, I learnt AngularJS, and the content of Advanced programming, and other programming courses, enabled me to quickly understand the concepts differences from similar frameworks | No recommendations for change of content, the course had a heavy workload, but the lessons and content were invaluable to learn. |