# Course Content Review

## BCPR282 – Best Programming Practices in Java

**Summary**

This class introduced us the MVC framework and how useful it is in programming. I learnt about interfaces and abstract classes and how real world objects apply to OOP. I learned how to do unit testing in Java. I learned to make an app in android which is very useful as android has the lead market share of mobile devices.

**Recommendations**

This class is very useful skill and should always be included in the program. Should have used this as a programming language in SE101 than JADE because it is easier to learn OOP in this language, and it shows how useful interfaces and abstract classes are in programming.

**Relation with project**

MVC pattern was very helpful in understanding how Gun City system works.

## BCPR283 – Best Programming Practices in .Net

**Summary**

This programming language is very similar to Java. This class taught us about the MVC framework, and dependency injection and how you can benefit from loose coupling. We learned how to do forms and make a window application. I love the visual studio debugging tools, very useful in fixing bugs. Similar to Java and explains interfaces and abstract classes very well.

**Recommendations**

This class should be included in the program. Should have taught us how to develop web based applications with this language, would have been very helpful as asp.net is becoming more popular tool in developing web based applications.

**Relation with project**

Loose coupling helped us better structured our codes in developing Hit List.

## BCPR301 – Advance Programming

**Summary**

The programming language taught in this class is Python. This class was very interesting, we learned about design patterns, bad smells, and other programming techniques. I learned how to become better programmer by applying the knowledge we learned, we can make our code more efficient, robust, and elegant.

**Recommendations**

This class is very appropriate in programming and should always be included in the program. The exam was very challenging and the time given to complete should have been longer.

**Relation with project**

Because of the knowledge we gain on this class, we were able to better structure and refactor our code. We were also able to identify the bad codes in our program and corrected it based on the knowledge we learned from this course.

## BCPR294 – Server Side Web Programming

**Summary**

The programming language we used in this course is PHP. This class taught us how to do basic programming in PHP and the MVC structure. Most of the learning was done by the student themselves. Old school way of doing AJAX was taught here. The exercises were helpful in learning how to write functions and algorithms in PHP.

**Recommendations**

Most of the content taught in this class was very basic and we could have learned it ourselves. Should have taught us more useful things like how to interact with MySqli Database, how to take advantage of Javascript plugins like JQUERY and use built in functions like $.ajax() to talk to the database. JQUERY is very powerful tool when building and manipulating elements in the view of a web page.

**Relation with project**

Helped me a lot in my project as the server side programming language we used is PHP. However, there were a lot of things that was not taught in this class and I learned most of it when I was doing my project.

## BCPR280– Software Engineering 2

**Summary**

This class was taught with Javascript programming language. In all programming courses, this by far as a second year student my most favourite programming courses of all time. This is where I learned how to code, this is where everything made sense. On this language we did not need to worry about classes, we just made functions and global variables and everything works. Thanks to CodeAcademy.com.

**Recommendations**

This course was awesome. I highly recommend that students go and learn Javascript in <https://www.codecademy.com/> . Everything made sense to me when I learned JavaScript on this website. Codeacademy helped me a lot especially if you are learning it all by yourself.

I also recommend students to learn and take advantage of Javascript plugins. It is very helpful in building web based applications.

**Relation with project**

This course helped me a lot not only with my Final Project but also in other courses as well. In my project we used Javascript to build the views on the web page and also the logics behind how elements behaved and manipulated in the view.

## BCIT242 – Website Development

**Summary**

In this class, we learned how to build a simple static website using HTML, CSS, and a little bit of Javascript. I used the knowledge gained from this course in the development of my final project which is a web application.

**Recommendations**

This course should have taught us more about how to make a dynamic and responsive website. I recommend taking advantage of CSS and Javascript plugins like Bootstrap.

**Relation with project**

Helped me built and design my web application project using HTML and CSS.

## BCIS201 – Alternative Modelling

**Summary**

In this class, I learned about different models and methodologies that are used in the software development and software development life cycle. We did research on what methodology to used, the advantages and disadvantages of them. We analysed how and why different approaches on projects succeed or fail according to a case study.

**Recommendations**

The course was appropriate and helpful for the projects to come. Although, it was kind of hard to just sit there, listen, and take everything and remember them.

**Relation with project**

Helped me with our project approach. Helped us understand what methodology was being used in the Industry and the methodology that we used in developing our project.

## BCPR203 – Database Management Systems

**Summary**

In this class, I learned how to build a MySQL database and how data are controlled. I learned about ERD relationships diagrams, queries, data dictionaries, views and procedures.

**Recommendations**

The course is very useful and important in web based application. This must always be taught to programming students. I got nothing to change or add in this course because I think the course gives the student adequate skills to be able to build and used database in project.

**Relation with project**

Helped me a lot in my project as it requires us to build MySQL database where users stores and retrieve information from.

## BCIS301 – Management of ICT

**Summary**

In this class, I learned about strategic analysis and how to approach organization to understand about their culture, their goals, and what they value. I learned how to identify, document, and manage project risks.

**Recommendations**

This class is appropriate to learn for anyone working in the IT industry especially to BA students. I have no suggestion to make on this course.

**Relation with project**

Helped me analysed and document risks on my project.

## BCIS285 – Software application and IS Testing

**Summary**

In this class, we learned more about theory than practical skills on testing. I wish we were taught more on the practical skills and how to do actual software testing. However, I think the knowledge I gained on how to plan tests which is helpful in documenting testing.

**Recommendations**

This class should teach more about practical skills on testing rather than focusing more on theory.

**Relation with project**

Helped me understand how to properly plan testing, and also about black box and white box testing.

## BCIS202 – System Design & Implementation

**Summary**

In this class, I learned how to manage project. I learned how to make PERT chart and identify all critical paths in the project. We learn the importance of monitoring the critical paths.

**Recommendations**

I recommend this to be changed as an elective course instead rather than compulsory, to be honest; I wish I have done something else.

**Relation with project**

This course did not help me with my final project.

## BCIT254 – Interactive Media App Development

**Summary**

In this class, I learned how to construct 3d objects and do animation. I also learned how to make interactive media, edit video, copyrights, Photoshop and many more. I learned how to approach an interactive media project (proposal, navigation map, timeline, storyboard, prototype, final product).

**Recommendations**

This class is great; I would not change anything to it.

**Relation with project**

This course helped me design the user interface of my final project.

## BCCE301 – Co-Operative Education Project

**Summary**

In this class, the student is required to work in the industry for at least 288 hours. We need to document our work and present it in front of the academic supervisor and also to other stakeholders. This course gives the student experience on what it is like to work in the industry. This is where we test our knowledge and skills gained in CPIT. It helps us prepare ourselves from the hard work to come when we face the real world and start working in the industry.

**Recommendations**

This class is the real challenge, because we are not just doing an assignment, we are working on a real project and the experience we get from this is very important. I think this course is great, and therefore nothing should be change.