

CCS2303 Object-Oriented Programming

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
CCS1302	2	3	2	2	2	3

COURSE AIM

- Become familiar with breaking down a problem into objects rather than procedures.
- Learn object-oriented programming concepts.
- Develop programs using an object-oriented programming high level programming language.

COURSE WEEKLY CONTENTS

- 1 Introduction to OOP
- 2 Review of Programming Basics using the selected language part 1
- 3 Review of Programming Basics using the selected language part 2
- 4 API of the Selected Language
- 5 Class Members
- 6 Array-Pass by Value/Pass by Reference
- 7 Access Modifiers
- 8 Encapsulation
- 9 Object Oriented Relationships - Association
- 10 Object Oriented Relationships – Aggregation and composition
- 11 Object Oriented Relationships – Inheritance
- 12 Polymorphism part 1
- 13 Polymorphism part 2
- 14 Benefits of Polymorphism
- 15 Course Review and Conclusion

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	←		30	MARKS		→	30
8 to 12	←		20	MARKS		→	20
1 to 15	←		10	MARKS		→	10
16 or 17	40	Final					40

REFERENCES

Textbook Y Daniel Liang, Introduction to JAVA Programming, Comprehensive Version, Pearson.