

CCS4306 Structure of Programming Languages**COURSE INFORMATION**

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
CCS3402 & CCS3202	4	7	2	2	0	3

COURSE AIM

- Be familiar with several language paradigms.
- Understand how languages relate to different application domains.
- Understand the design space of programming languages, including concepts and constructs from past languages as well as those that may be used in the future.
- Be able to develop a critical understanding of the programming language we use by being able to identify and compare the same concept as it appears in different languages.

COURSE WEEKLY CONTENTS

- 1 Introduction
- 2 Preliminaries
- 3 Describing Syntax and Semantics
- 4 Lexical and Syntax Analysis Part I
- 5 Lexical and Syntax Analysis Part II
- 6 Names, Bindings, Type Checking, and Scopes
- 7 Data Types Part I
- 8 Data Types Part II
- 9 Expressions and Assignment Statements Part I
- 10 Expressions and Assignment Statements Part II
- 11 Statement-Level Control Structures Part I
- 12 Statement-Level Control Structures Part II
- 13 Subprograms
- 14 Subprograms (cont.)
- 15 Revision

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 R. Sebesta, Concepts of Programming Languages, Addison- Wesley.