

Course Outline

1. Document Information

Degree Program	Computer Science
Course Number	CS 512
Course Title	Declarative Programming
Semester Hours	3
Course Coordinator	Norman Carver
Revision Term	Fall 2020
Latest Revision	Spring 2021

2. Catalog Description

An advanced level course on nonprocedural programming with emphasis on logic programming, pure functional programming, and the characteristics of the declarative style common to these two paradigms. Topics include logic programming, functional programming, implementation consideration for each along with current research topics in the areas.

3. Textbooks

4. References

5. Course Learning Outcomes

6. Assessment of the Contribution to Student Outcomes

Outcome	1	2	3	4	5	6	7
Assessed	X	X	X		X		

7. Prerequisites by Topic

CS 311.

8. Major Topics Covered in the Course

1. Introduction
2. Logic programming
3. Functional programming
4. Conclusion: Discussion on above component including parallelism in very high level languages