CPDM 210 Systems Analysis and Design

Course Description: An introductory course on systems analysis within the framework of the system development life cycle. Topics include: business case analysis, requirement gathering, requirement modeling, enterprise modeling, and development strategies.

Prerequisites(s): AFL 085 and AFM 095, or appropriate placement test scores

Corequisite(s): No corequisite

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 90	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: ☒ Web ☐ Hybrid ☒ Classroom		
Semesters Offered: ☐ Fall ☒ Spring ☒ Summer		

Course Primary Text:

Title: Systems Analysis and Design	Edition: Most current
Author(s): Rosenblatt	
Publisher: Cengage Learning	

Supplemental Materials:

None

Course Outcomes:

1	Be able to explain and show understanding of the System Development Life Cycle
2	Show understanding of the purpose of IT within a Business Setting.
3	Show understanding and develop a Preliminary Investigation Report.
4	Show understanding and develop a Requirements Document.
5	Show understanding of Return on Investment as it pertains to IT within a business.
6	Explain the principles of Agile development along with variations of Agile when speaking with prospective employers.

Course Topics:

Week 1	Introduction to the SDLC
Week 2	Introduction to Analysis
Week 3	The Profession of Software Development
Week 4	Planning
Week 5	Requirements Analysis
Week 6	Design and Implementation
Week 7	Evolution of Development Methodologies
Week 8	Midterm
Week 9	Introduction to Agile and Agile Mindset
Week 10	Agile Roles
Week 11	Getting started with agile and choosing an approach
Week 12	User Roles – the Core to Agile/ Scrum
Week 13	Scaling Agile Practices
Week 14	Going Forward and Pitfalls
Week 15	Final Project and Final Exam

Methods of Evaluation/Assessment

Midterm Exam - 25%
Case Study – 50%
Final Exam – 25%

Course Keeper: Bob Nields   Date Completed: 4/1/19