CS 84.26 Course Outline as of Fall 2022

CATALOG INFORMATION

Dept and Nbr: CS 84.26   Title: IT PROJECT MNGMT
Full Title: Project Management for IT Professionals
Last Reviewed: 5/10/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00   Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable
Grading: Grade or P/NP
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly:

Catalog Description:
This course is designed for professionals who coordinate or manage small-to-medium-size projects, inside and outside of Information Technology (IT). The course provides the knowledge, skills, and abilities (KSAs) required to manage the project life cycle, ensure appropriate communication, manage resources and stakeholders, maintain project documentation, and support the completion of larger projects. Projects will be based on Networking, System and Security Administration (NSSA) activities. The course will help students prepare for the CompTIA Project+ Certification exam.

Prerequisites/Corequisites:
Course completion of CS 81.81A and CS 82.22C and CS 82.58

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: This course is designed for professionals who coordinate or manage small-to-medium-size projects, inside and outside of Information Technology (IT). The course provides

the knowledge, skills, and abilities (KSAs) required to manage the project life cycle, ensure appropriate communication, manage resources and stakeholders, maintain project documentation, and support the completion of larger projects. Projects will be based on Networking, System and Security Administration (NSSA) activities. The course will help students prepare for the CompTIA Project+ Certification exam. (Grade or P/NP)
Prerequisites/Corequisites: Course completion of CS 81.81A and CS 82.22C and CS 82.58
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**		Effective:	Inactive:
CSU GE:	**Transfer Area**		Effective:	Inactive:
IGETC:	**Transfer Area**		Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Fall 2022	Inactive:
UC Transfer:		Effective:		Inactive:

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Summarize the properties of project, phases, schedules, roles and responsibilities, and cost controls, as well as identifying the basic aspects of Agile methodology
2. Predict the impact of various constraint variables and influences throughout the project and explain the importance of risk strategies and activities
3. Understand appropriate communication methods of influence and use change management procedures within the context of a project
4. Compare and contrast various project management tools and analyze project and partner-centric documentation

Objectives:
At the conclusion of this course, the student should be able to:
1. Manage the project life cycle
2. Coordinate small-to-medium-size projects
3. Ensure appropriate communication
4. Manage resources and stakeholders
5. Maintain project documentation
6. Support the completion of larger projects

Topics and Scope:

I.   Fundamentals and Methodologies of Project Management
II.   Project Plans and Management Tools
III. Work Breakdown Structure and Activity Lists
IV. Project Schedule
V.   Project Staffing and Quality Management Plans
VI. Effective Communication, Change Management and Transition Plans
VII. Risk Management Plan, Risk Analysis, and Risk Response Plan
VIII. Project Performance, Constraints, Risks and Procurements
IX. Project Closure Activities

Assignment:

Reading assignments include:
1. Online research of project management practices
2. Approximately 50 pages weekly from the textbook

Homework problems include:
1. Weekly online discussion thread participation
2. Hands-on exercises to demonstrate proficiency with topics
3. Online quizzes (5 - 12)
4. Assignments for project management practices

Other assignments include:
1. Skill demonstration examinations
2. Classroom scenario-based exercises

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Weekly written online discussions	Writing 5 - 10%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, assignments for project management practices	Problem solving 15 - 30%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances of project management practices and skill demonstration examinations	Skill Demonstrations 20 - 30%

Exams: All forms of formal testing, other than skill performance exams.

| Quizzes and skill demonstration examinations | | Exams
20 - 30% |

Other: Includes any assessment tools that do not logically fit into the above categories.

| Attendance and participation in scenario-based exercises | | Other Category
5 - 20% |

Representative Textbooks and Materials:

CompTIA Project+ Cert Guide. Abernathy, Robin. Pearson IT Certification. 2017 (classic)

CompTIA Project+ Study Guide. 2nd ed. Heldman, Kim. Sybex. 2017 (classic)