COLORADO STATE UNIVERSITY GLOBAL

CSC501: Management for the Computer Science Professional

Credit Hours: 3

Contact Hours: This is a 3-credit course, offered in accelerated format. This means that 16 weeks of material is covered in 8 weeks. The exact number of hours per week that you can expect to spend on each course will vary based upon the weekly coursework, as well as your study style and preferences. You should plan to spend 14-20 hours per week in each course reading material, interacting on the discussion boards, writing papers, completing projects, and doing research.

Faculty Information: Faculty contact information and office hours can be found on the faculty profile page.

Course Description and Outcomes

Course Description:

In this course, students will be prepared to analyze organizational issues surrounding programming, networking, and software development and propose the necessary solutions to address business needs. Students gain a detailed understanding of how to manage, oversee, plan, and maintain technical personnel and resources. Students will also learn how to effectively relay technical information to all stakeholders in an organization. Topics include management principles for programmers and development specialists, technical communications, organizational leadership, risk management, project management, and systems maintenance. Students will prepare for cross-functional positions in team and industry settings in this course.

Course Overview:

Artificial intelligence and expert systems/software is a rapidly expanding field. Designing these systems and tasks requires significant management and processes to ensure that they are on time, on task, and on budget. In this course, you will be prepared to analyze organizational issues surrounding programming, networking, and software development. You will also be equipped to propose the necessary solutions to address business needs surrounding computing and artificial intelligence. This course will provide a foundation for project management, assessment, and processes. It will also present methods by which systems are produced, maintained, and finally destroyed. An understanding of these concepts and processes will help you lead teams across multiple department settings.

Course Learning Outcomes:

1. Apply management principles in supervision and oversight of programmers and other professionals.
2. Develop an organizational strategy and a leadership style.
3. Construct communication plans to deliver technical information using a variety of modalities.
4. Evaluate organizational technology needs and requirements.

5. Analyze existing personnel and systems for improvement and enhancement.
6. Discuss the value of technology in improving organizational efficiency and workflow.

Participation & Attendance

Prompt and consistent attendance in your online courses is essential for your success at CSU Global Campus. Failure to verify your attendance within the first 7 days of this course may result in your withdrawal. If for some reason you would like to drop a course, please contact your advisor.

Online classes have deadlines, assignments, and participation requirements just like on-campus classes. Budget your time carefully and keep an open line of communication with your instructor. If you are having technical problems, problems with your assignments, or other problems that are impeding your progress, let your instructor know as soon as possible.

Course Materials

Required:

Project Management Institute. (2017). *A guide to the project management body of knowledge® (PMBOK® guide)* (6th ed.). PMI Publications. (Access is linked within the course from the CSU Global Library.)

Siegel, N. G. (2019). *Engineering project management* (1st ed.). John Wiley & Sons, Inc. Print ISBN: 9781119525769; eISBN-13: 9781119525790

You will also use Lucidchart to complete assignments in the course. Specific instructions for how to access and use this tool are provided as needed in assignment prompts.

NOTE: *All non-textbook required readings and materials necessary to complete assignments, discussions, and/or supplemental or required exercises are provided within the course itself. Please read through each course module carefully.*

Course Schedule

Due Dates

The Academic Week at CSU Global begins on Monday and ends the following Sunday.

- **Discussion Boards:** The original post must be completed by Thursday at 11:59 p.m. MT and Peer Responses posted by Sunday 11:59 p.m. MT. Late posts may not be awarded points.
- **Critical Thinking:** Assignments are due Sunday at 11:59 p.m. MT.

Weekly Reading and Assignment Details

Module 1

Readings

· Chapter 1 in *Engineering project management*

· Part 1, Section 2 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Critical Thinking (50 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Project Inception Steps

The author describes a project as a temporary thing. The first project in the text discusses a refinery opening that will someday shut down. Is this true of all projects? Will they someday all cease to exist? Why or why not? If so, why is it necessary to create such steps to incept these systems? Use research and textual support to defend your position.

Your paper should be 2-3 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: Project Lifecycle Phases

Why is a project manager's position about "doing" and not "consulting" as outlined in the text? The text describes methodology for project creation, planning, integration, and other life cycle phases. Why is it necessary to break a project into smaller pieces? How do engineers work with the project manager to make this vision a reality? Use research and textual support to highlight the reasons behind this process.

Your paper should be 2-3 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Portfolio Milestone (10 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: System Selection – Paper

For your Portfolio Project in this course, you will discuss the creation of a fictitious system and create a mock plan and process for this system. You will be submitting milestones for this project each week, and these milestones will be compiled and finalized in the final Portfolio Project.

For this first milestone, you must decide on the system and submit the system you have selected to your instructor. Remember, it is not necessary to choose one of these topics, but these are good options if you are having trouble coming up with an idea.

- An In-depth Analysis of Metropolitan Area Network planning in ABC (Case Study with MAN networks in ABC)
- Analyzing the financial recordkeeping and purchasing of SMEs within tech departments in ABC (A Comparison of SMEs that both do and don't utilize financials records from ABC)

- Design and Implementation of a Software Life Expectancy Model for a Software Program
- Design and Implementation of a Project Management API using Python and Blockchain Technology
- A Review of the Software Project Abandonment in ABC (A case study of ABC)
- An In-depth Analysis of the Effects of Poor or Non-standard Naming Conventions and storage on SAN and NAS systems in ABC (A case study of DHL ABC)
- Analyzing the relevance of Soft Skills in Technical Employees in Businesses in ABC (A case study of ABC Company)
- Analyzing the role of project management soft skills to increase project success rates – Review of statistically meaningful and documented evidence in ABC Company

Submit a brief paragraph describing your selection.

Option #2: System Selection – Presentation

For your Portfolio Project in this course, you will discuss the creation of a fictitious system and create a mock planning and process for this system. You will be submitting milestones for this project each week, and these milestones will be compiled and finalized in the final Portfolio Project.

For this first milestone, you must decide on the system and submit the system you have selected to your instructor. Remember, it is not necessary to choose one of these topics, but these are good options if you are having trouble coming up with an idea.

- An In-depth Analysis of Metropolitan Area Network planning in ABC (Case Study with MAN networks in ABC)
- Analyzing the financial record keeping and purchasing of SMEs within tech departments in ABC (A Comparison of SMEs that both do and don't utilize financials records from ABC)
- Design and Implementation of a Software Life Expectancy Model for Software Program
- Design and Implementation of a Project Management API using Python and Blockchain Technology
- A Review of the Software Project Abandonment in ABC (A case study of ABC)
- An In-depth Analysis of the Effects of Poor or Non-standard Naming Conventions and storage on SAN and NAS systems in ABC (A case study of DHL ABC)
- Analyzing the relevance of Soft Skills in Technical Employees in Businesses in ABC (A case study of ABC Company)
- Analyzing the role of project management soft skills to increase project success rates – Review of statistically meaningful and documented evidence in ABC Company

Submit a PowerPoint presentation consisting of 1-2 slides describing your selection.

Module 2

Readings

- Chapter 2 in *Engineering project management*
- Part 1, Section 3 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Critical Thinking (100 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Project Management Plan – Network Refresh

You have recently been placed in charge of refreshing the network and laptop equipment for your organization. The organization consists of 150 different employees who are located in each of the 48 states inside the continental United States. Some states have multiple facilities, and most states are along the northern and southern borders of the United States. You are responsible for upgrading a fleet of laptop systems as well as a router and 2-3 switches per site. The object of this exercise is not for you to have a definitive understanding of what all these pieces of hardware deal with. The objective is for you to showcase a project management plan as well as research reasons why you might utilize one hardware over another. Think about costs, phases, and interdependencies between tasks. While this is not expected to be a complete development plan with a Gantt chart, it should discuss some of the processes that would be associated with implementation of the plan and showcase a sample of the phases of carrying out the plan. Discuss what will be delivered and how it will be delivered. This should include possible risks associated with the delivery in the field and on-site smart hands.

Your paper should be 4-6 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: New Server Rollout

Communication is vital between stakeholders, project managers, and operational managers within the organization. There are few people who have the capacity to understand all phases of the plan or what each individual piece of an organization does. At the end of the day, each faction of the organization should have the same goal, which is the success of the project and the organization. However, as noted in Chapter 2 of Siegel (2019), vision and methods are not always unified.

You have recently been placed in charge as a project manager for the deployment of new servers to replace older servers on the network. The servers are part of the sales, research, and development team for your company and the core business process, which brings in 70% of your organization's revenue. As a project manager, discuss the possible issues arising from opposing motivations within the organization. What sort of leadership skills are necessary to ensure that individuals can be appropriately guided and motivated towards the goal of completing and executing the project strategy? What sort of leadership strategy would you employ to ensure the successful completion of this rollout? Utilize research and citations along with course materials to discuss methods that would allow this rollout to be successful without impacting the systems or the individuals working on them.

Your paper should be 4-6 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Mastery Exercise (10 points)

Portfolio Milestone (25 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Product Lifecycle Chart – Paper

Utilize Lucidchart to create an initial UML chart for your Portfolio Project. Review the Lucidchart Guide and Get Started with Lucidchart for information on how to access and use this tool.

Your chart should plan the initial product lifecycle for the system you selected in Module 1 and showcase requirements similar to Figure 2.4 in *Engineering Project Management.*

Download your chart from Lucidchart as a PDF or a JPEG as explained in the guide and submit it by the posted due date. You should also include a 1- to 2-paragraph explanation of your UML chart.

Option #2: Product Lifecycle Chart – Presentation

Utilize Lucidchart to create an initial UML chart for your Portfolio Project. Review the Lucidchart Guide and Get Started with Lucidchart for information on how to access and use this tool.

Your chart should plan the initial product lifecycle for the system you selected in Module 1 and showcase requirements similar to Figure 2.4 in *Engineering Project Management*.

Download your chart from Lucidchart as a JPEG as explained in the guide and include it in the PowerPoint presentation you started in Module 1. Include speaker notes in your presentation that explain your UML for those involved in the project.

Module 3

Readings

- Chapter 3 in *Engineering project management*
- Part 1, Section 5 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Critical Thinking (100 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Scope Management – Webpage Development

You have recently been hired to the project management team for a 3D printer company. They're deploying a new customer-facing webpage showcasing their different 3D printing products as well as filaments and spools. In this assignment, you must:

- Discuss the plan scope management process for deploying this webpage.
- Explain the inputs, tools, techniques, and outputs that will be part of this deployment.
- Discuss a project lifecycle plan, development approach, and some of the tools and techniques that may be utilized in the deployment of this process.

- Use Lucidchart to create a scope management deployment diagram. This should be included with your assignment. Refer to the Lucidchart guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Think about discussing possible security issues with the site, hardware, and configuration as well.

Your paper should be 4-6 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: Scope Management – Expansion

You have been hired as a project manager for a firm that creates advertisement revenue opportunities for phone applications. They are seeking to expand beyond phones and get into connecting more businesses with other nontraditional advertising opportunities. However, to this point, the business has been hyper-focused on connecting businesses and developers with application-based ad revenue. The project team has leads and ideas but is unsure where to begin and how much they should try to take on in this expansion endeavor. As project manager, it will be your responsibility to prepare a WBS, a deliverables timeline, and a requirements management plan. The process here should be to come up with requirements activities, a timeline, and configuration management activities that allow for changes in your process. This paper should discuss the metrics and rationale that will be used for the plan as well as how requirements will be collected during the lifecycle of the plan. Use Lucidchart to create a scope management deployment diagram. This should be included with your assignment. Refer to the Lucidchart guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Your paper should be 4-6 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Portfolio Milestone (10 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: UML Diagram: Environment Variables, Scope Processes, and Organizational Systems – Paper

Continue to build on the project management plan for your Portfolio Project. Begin to integrate environment variables, scope processes, and organizational systems into the Lucidchart UML diagram. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Submit your updated diagram along with a one-page paper discussing the changes and amendments to your project and how that will work in your overall process.

Option #2: UML Diagram: Environment Variables, Scope Processes, and Organizational Systems – Presentation

Continue to build on the project management plan for your Portfolio Project. Begin to integrate environment variables, scope processes, and organizational systems into the Lucidchart UML diagram.

Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Create a 3- to 4-slide PowerPoint that includes your updated diagram; discuss the changes that you made in the speaker notes and explain how this will get you closer to the completion of the final project.

Module 4

Readings

- Chapters 4 & 5 in *Engineering project management*
- Part 1, Section 6 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Critical Thinking (50 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Discovering Customer and Stakeholder Need Statements

Siegel (2019) provides a unique perspective on designing systems and discusses developing your own understanding of the client's mission and wants or needs regarding the project. While this is a judgment call, there is a considerable amount of data to suggest that there are methods for marrying want statements from clients about the project to user design concepts.

For your paper this week, research methods of discovering customer and stakeholder need statements.

- Explain how you would coordinate with the team to find and meet the need statements in the project.
- Discuss how these individuals (stakeholders/clients) measure value and how the current project would need to meet said value.
- Evaluate how you would manage competing demands from stakeholders while tailoring your design concept to meet the project objectives.
- Support your expert commentary with citations from your text and industry-standard research.

Your paper should be 2-3 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: Discovering Common Ground

Siegel (2019) provides a unique perspective on designing systems and discusses developing your own understanding of the client's mission and wants or needs regarding the project. While this is a judgment call, there is a considerable amount of data to suggest that there are methods for marrying want statements from clients about the project to user design concepts.

For your paper this week, research methods of discovering customer and stakeholder need statements.

- Create a dialogue scenario that discusses a conflict between departments.
- Discuss the methods of negotiation that will be utilized to try and find a common ground between the stakeholders.

- Showcase expert commentary along with industry-standard research and discussion from the text for how you would appropriately resolve the conflict to keep the project moving forward.

Your paper should be 2-3 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Portfolio Milestone (30 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Project Design and Outline – Paper

Submit your early designs and UML guidance for instructor review, incorporating changes and comments made by the instructor in prior modules. By now, you should have a few Lucidchart UML diagrams or charts and a rough outline for your project, including the project scope and timeline estimates for inception, delivery, and maintenance. You should also discuss possible change requests and goal alignments. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Please ensure that your submission is a minimum of 3 pages and follows appropriate APA guidelines as detailed in the CSU Global Guide to Writing & APA.

Option #2: Project Design and Outline - Presentation

Submit your early designs and UML guidance for instructor review, incorporating changes and comments made by the instructor in prior modules. By now, you should have a few Lucidchart UML diagrams or charts and a rough outline for your project, including the project scope and timeline estimates for inception, delivery, and maintenance. You should also discuss possible change requests and goal alignments. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Please ensure that your submission is a minimum of 5 slides and follows appropriate APA guidelines as detailed in the CSU Global Guide to Writing & APA.

Module 5

Readings

- Chapters 6 & 7 in *Engineering project management*
- Part 1, Section 4 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Critical Thinking (50 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Making a Choice

You have just been made project manager for top-flight Project Management, Inc. For your first task, you've been handed four separate portfolios for potential projects. The prospectuses are listed as follows:

1. Build a MAN network for the city. The project requires an investment of $10 million of capital. The city has recently passed legislation to allow your firm to install the MAN network. Based on the estimates for traffic passing over the MAN network, the monthlies would be around $500,000 a month after the second year. The city will be collecting all of the dues for the first year and half for the second.
2. Set up computers and networks for the County school district. This project requires the investment of $1 million for the network and computer systems as well as a few servers and an NAS. The city has passed legislation that would allow you to recover the costs of assembly with standard rates as well as a service contract to keep things running after deployment. This amounts to approximately $50,000 a month after the first year.
3. Build a housing network. This project requires the investment of $10 million up front in building costs, including zoning and a city planning commission. This project will feature 12 single-family residences that will be put up for sale at around $450,000 per residence. Additionally, the project includes a multifamily unit complex featuring 110 units that will bring in a monthly income of $70,000 after the second year, given one year to build and an estimated year to sell and fill the new multifamily structure. Since the firm does not have $10 million in liquidity, the project would require either bringing in a partner or borrowing the funds at an interest rate of 10% per annum.

Given the above choices, which option has the shortest payback period? Which has the longest? Given your knowledge of costs, make your selection for which project you think should be pursued and why. Discuss in detail your evaluation of the project and the reasons for your selection.

Your paper should be 2-3 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: Project Triage

You are the new project manager of a company. You were recently assigned to take over managing a project that should have been 60% complete according to the schedule. You discover that the project is way behind schedule and is only around 30% at best. Given your understanding of cost, organization, and planning for the integration phases of the project, you estimate that it will likely take double the time originally estimated by the previous project manager, who told the stakeholders that the project is on schedule. What is the best course of action to take from here and why? If the stakeholders choose to continue after your evaluation, how can you get the project back on track? Discuss in detail your evaluation of the project and the reasoning behind your decisions.

Your paper should be 2-3 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Portfolio Milestone (10 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Design Methodology – Paper

Create a Gantt chart using Lucidchart for your Portfolio Project. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Begin to outline the processes required for design methodology in a 2- to 3-page paper and include your Gantt chart as a PJEG image in this paper.

Option #2: Design Methodology – Presentation

Create a Gantt chart using Lucidchart for your Portfolio Project. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagram.

Begin to outline the processes required for design methodology in a 10- to 12-slide PowerPoint with at least 100 words of speaker notes per slide. Include your Gantt chart as a JPEG image in the presentation.

Module 6

Readings

- Chapters 8 & 9 in *Engineering project management*
- Part 1, Section 11 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Critical Thinking (100 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Risk Management – MacBooks

You are the new project manager for the rollout of the newest iteration of MacBooks. The advertising team has decided to go with the tried-and-true slogan that MacBooks still don't get viruses. However, your research has shown that the initial offering of this nationwide commercial created a drastic uptick in viral outbreaks within the Mac ecosystem. Identify the potential risks of releasing the campaign and killing the campaign. Use research to examine and highlight the costs involved and the probabilities of each scenario. Be sure that your proposal showcases the probability of occurrence as well as the impact of the events.

Your paper should be 4-6 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: Risk Management – Pepsi Bottling Plant

You have recently been put in charge as project manager for a Pepsi bottling plant in Los Angeles. You've received communication that the bottles in the most recent shipment have a 60% rate of failure under load and if shaken, causing a somewhat volatile explosion as the pressurized liquid escapes the container. As all bottles look completely similar, it would be impossible to discern which have the defect. The options left are to initiate a full recall or to issue a public service announcement regarding the beverage. Create a matrix and discuss the process and the likelihood of this scenario. Showcase the overall consequences and threat model. As this would be a high-risk scenario, assess the inputs, motivations, and likelihood of the process. Finally, recommend actions that should be taken to attempt to mitigate the risk. Use research to highlight the costs and probabilities associated with this scenario.

Your paper should be 4-6 pages in length and conform to the CSU Global Guide to Writing & APA. Include at least two scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Portfolio Milestone (25 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Risk Matrix – Paper

Create a risk matrix for your Portfolio Project. Include a 1- to 2-page synopsis of why you feel each scenario has the potential to occur and what the possible fallout would be if a particular risk did occur.

Option #2: Risk Matrix – Presentation

Create a risk matrix for your Portfolio Project. Include your matrix in a 4- to 6-slide PowerPoint presentation that outlines why you feel each scenario has the potential to occur and what the possible fallout would be if a particular risk did occur. Your presentation must also include speaker notes that explain the potential and risks in greater detail.

Module 7

Readings

- Chapter 13 in *Engineering project management*
- Part 1, Section 13 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Portfolio Milestone (10 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: Stakeholders Chart

Create a chart showing the different stakeholders that will have a hand in completing the project you selected for your Portfolio Project. Include the chart in a 1- to 2-page synopsis of the roles and responsibilities for the project and a brief discussion regarding the risk of possible conflicts, if any.

Option #2: Stakeholders Chart

Create a chart showing the different stakeholders that will have a hand in completing the project you selected for your Portfolio Project. Include the chart in a 4- to 6-slide PowerPoint that describes the roles and responsibilities for the project and a brief discussion regarding the risk of possible conflicts, if any.

Module 8

Readings

- Chapters 14 & 15 in *Engineering project management*
- Part 2, Section 6 in *A guide to the project management body of knowledge® (PMBOK® guide)*

Discussion (25 points)

Portfolio Project (230 points)

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission.

Option #1: System Planning and Process

For your Portfolio Project in this course, you will discuss the creation of a fictitious system and create a mock plan and process for this system. You will be submitting milestones for this project each week, and these milestones will be compiled and finalized in the final Portfolio Project.

- Module 1: System Selection
- Module 2: Product Lifecycle Chart
- Module 3: UML Diagram - Environment Variables, Scope Processes, and Organizational Systems
- Module 4: Project Design and Outline
- Module 5: Design Methodology
- Module 6: Risk Matrix
- Module 7: Stakeholders Chart

The UML charts and diagrams and Gantt chart that are required for these milestones (see the specific milestone prompts for more details) should be created using Lucidchart. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagrams and charts.

This culmination of your project should include each of these milestones (charts and documents) as well as a description of the project and all the project's associated processes. In addition, your final paper should discuss your project and the details associated with planning, inception, project lifecycle, and closure.

Your paper should be 6-8 pages in length (in addition to your charts and work from previous milestones) and conform to the CSU Global Guide to Writing & APA. Include at least six scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Option #2: System Planning and Process

For your Portfolio Project in this course, you will discuss the creation of a fictitious system and create a mock plan and process for this system. You will be submitting milestones for this project each week, and these milestones will be compiled and finalized in the final Portfolio Project.

- Module 1: System Selection
- Module 2: Product Lifecycle Chart
- Module 3: UML Diagram - Environment Variables, Scope Processes, and Organizational Systems
- Module 4: Project Design and Outline
- Module 5: Design Methodology
- Module 6: Risk Matrix
- Module 7: Stakeholders Chart

The UML charts and diagrams and Gantt chart that are required for these milestones (see the specific milestone prompts for more details) should be created using Lucidchart. Refer to the Lucidchart Guide and Get Started with Lucidchart for instructions on how to use the tool and how to download the diagrams and charts.

This culmination of your project should include each of these milestones (charts and documents) as well as a description of the project and all the project's associated processes. In addition, your final PowerPoint should discuss your project and the details associated with planning, inception, project lifecycle, and closure. Each slide must include speaker notes of approximately 250 words per slide.

Your PowerPoint should be 12-20 slides (in addition to your charts and work from previous milestones) and conform to the CSU Global Guide to Writing & APA. Include at least six scholarly references in addition to the course textbook. The CSU Global Library is a good place to find these references.

Grading Scale	
A	95.0 – 100
A-	90.0 – 94.9
B+	86.7 – 89.9
B	83.3 – 86.6
B-	80.0 – 83.2
C+	75.0 – 79.9
C	70.0 – 74.9
D	60.0 – 69.9
F	59.9 or below

COURSE POLICIES

Course Grading

20% Discussion Participation
45% Critical Thinking Assignments
35% Final Portfolio Project & Milestones

In-Classroom Policies

For information on late work and incomplete grade policies, please refer to our **In-Classroom Student Policies and Guidelines** or the Academic Catalog for comprehensive documentation of CSU Global institutional policies.

Academic Integrity
Students must assume responsibility for maintaining honesty in all work submitted for credit and in any other work designated by the instructor of the course. Academic dishonesty includes cheating, fabrication, facilitating academic dishonesty, plagiarism, reusing /repurposing your own work (see CSU Global Guide to Writing & APA for percentage of repurposed work that can be used in an assignment), unauthorized possession of academic materials, and unauthorized collaboration. The CSU Global Library provides information on how students can avoid plagiarism by understanding what it is and how to use the Library and Internet resources.

Citing Sources with APA Style
All students are expected to follow the CSU Global Guide to Writing & APA when citing in APA (based on the APA Style Manual, 6th edition) for all assignments. For details on CSU Global APA style, please review the APA resources within the CSU Global Library under the "APA Guide & Resources" link. A link to this document should also be provided within most assignment descriptions in your course.

Disability Services Statement
CSU Global is committed to providing reasonable accommodations for all persons with disabilities. Any student with a documented disability requesting academic accommodations should contact the Disability Resource Coordinator at 720-279-0650 and/or email ada@CSUGlobal.edu for additional information to coordinate reasonable accommodations for students with documented disabilities.

Netiquette
Respect the diversity of opinions among the instructor and classmates and engage with them in a courteous, respectful, and professional manner. All posts and classroom communication must be conducted in accordance with the student code of conduct. Think before you push the Send button. Did you say just what you meant? How will the person on the other end read the words?

Maintain an environment free of harassment, stalking, threats, abuse, insults or humiliation toward the instructor and classmates. This includes, but is not limited to, demeaning written or oral comments of an ethnic, religious, age, disability, sexist (or sexual orientation), or racist nature; and the unwanted sexual advances or intimidations by email, or on discussion boards and other postings within or connected to the online classroom. If you have concerns about something that has been said, please let your instructor know.