

THOMAS ADEWUMI UNIVERSITY, OKO-IRESE	
Faculty	Computing and Applied Sciences
Department	Mathematical and Computing Science
Program	Computer Science
Course Code	CSC 418
Course Title	PROJECT MANAGEMENT
Study Year	4
Credit Hours	3
Contact Hours	36
Pre-requisite	
Status	Elective
Semester	First
Mode of Assessment	Lecture, Assessment and Practical
Mode of Delivery	<ul style="list-style-type: none"> • Classroom Lectures • Laboratory Practical Sessions
Assignment	10%
practical	
Test	20%
Examination	70%
Total	100%
Course Lecturer and Instructor	
Course Description	Project Management is a comprehensive and practical course that equips individuals with the knowledge, skills, and tools required to successfully plan, execute, monitor, and control projects. It provides a structured approach to managing projects from initiation to closure, ensuring that they are completed on time, within budget, and to the satisfaction of stakeholders.
Course Objectives	<p>To teach the students:</p> <ul style="list-style-type: none"> • Importance and key roles of project management • How to initiate an effective project management • How to plan a successful project • Various types of risk management and project execution
Learning Outcome	<p>At the end of the course, students should be able to:</p> <ul style="list-style-type: none"> • Define project management • Identify project constraints and objectives • Explain Cost estimation and budgeting • Manage project resources and tasks

	<ul style="list-style-type: none"> Identify and analyze stakeholders etc 	
Detailed course contents	Team Management, Project Scheduling, Software measurement and estimation techniques, Risk analysis, Software quality assurance, Software Configuration Management, Project Management tools.	
Course Contents Sequencing		
Weeks	Detailed Course Outline	Allocated Time
WEEK 1	<p>Introduction to Project Management:</p> <ul style="list-style-type: none"> Definition and principles of project management Importance of project management in various industries Key roles and responsibilities of a project manager Project management frameworks and methodologies (e.g., PMBOK, Agile, Scrum) 	3 Hours
WEEK 2	<p>Project Initiation:</p> <ul style="list-style-type: none"> Identifying project objectives and constraints Defining project scope and deliverables Conducting feasibility studies and assessing project viability Stakeholder identification and analysis 	3 Hours
WEEK 3, 4	<p>Project Planning:</p> <ul style="list-style-type: none"> Work breakdown structure (WBS) development Activity sequencing and scheduling using techniques like Gantt charts or network diagrams Resource estimation and allocation Cost estimation and budgeting Risk identification and assessment Quality planning and assurance Procurement planning and vendor management <p>C.A Test</p>	6 Hours
WEEK 5, 6	<p>Project Execution:</p> <ul style="list-style-type: none"> Team building and leadership skills Managing project resources and tasks Communication and collaboration strategies Change management and handling project scope changes Monitoring and controlling project progress 	6 Hours

	<ul style="list-style-type: none"> Managing project documentation and reporting 	
WEEK 7,8	<p>Risk Management:</p> <ul style="list-style-type: none"> Risk identification techniques Qualitative and quantitative risk analysis Risk response planning Risk monitoring and control Contingency planning and mitigation strategies 	6 Hours
WEEK 9, 10	<p>Stakeholder Management:</p> <ul style="list-style-type: none"> Identifying and analyzing stakeholders Stakeholder engagement and communication strategies Managing stakeholder expectations and conflicts Stakeholder influence and impact on project success <p>Agile Project Management:</p> <ul style="list-style-type: none"> Agile principles and values Agile project management methodologies (e.g., Scrum, Kanban) Agile project planning and execution techniques Agile team collaboration and communication <p>C.A Test</p>	6 Hours
WEEK 11	<p>Project Closure:</p> <ul style="list-style-type: none"> Project evaluation and performance measurement Lessons learned and knowledge transfer Project documentation and archiving Transitioning project deliverables to stakeholders Celebrating project success and recognizing team contributions 	3 Hours
WEEK 12	<p>Project Management Tools and Software:</p> <ul style="list-style-type: none"> Introduction to project management software (e.g., Microsoft Project, JIRA) Using tools for scheduling, resource management, and collaboration Benefits and limitations of project management software 	3 Hours
WEEK 13	REVISION	
READING LIST:		

- A Guide to the Project Management Body of Knowledge (PMBOK Guide) by Project Management Institute (PMI)
- Project Management: A Systems Approach to Planning, Scheduling, and Controlling by Harold Kerzner
- Effective Project Management: Traditional, Agile, Extreme by Robert K. Wysocki
- Project Management: The Managerial Process by Erik W. Larson and Clifford F. Gray
- Project Management: A Managerial Approach by Jack R. Meredith and Samuel J. Mantel Jr.
- Construction Project Management: A Practical Guide to Field Construction Management" by S. Keoki Sears, Glenn A. Sears, and Richard H. Clough