OPERATIONS MANAGEMENT OF MINING SYSTEMS

Code	Credit Hour
MinE-841	3-0

CourseDescription

What is a business, Management – what is it, History of Management Theory, Managerial Conceptual Thinking, Management Work within the business, Organizing and the determinants of organization, Planning, Controlling, Leading, daily managerial activities and tools, Time management, Attributes of a manager and Industrial relations and legislation, Introduction to quantitative techniques, Linear programming, PERT/Critical Path method, Queueing theory and inventory control, Risk management terminology, Functions and principles of risk management, Introduction to risk assessment, Requirements of the Mine Health and Safety Acts, Characteristics of a project, Phases of a project and role of a Project Manager, Problem solving, especially in production management.

Textbook:

1. Sloan. D.A. "Mine Management". ISBN 978-94-009-5960-6

ReferenceBook:

1. Singh. R. D. "Principles and Practices of Modern Coal Mining". ISBN 8122409741

Prerequisites

Nil

ASSESSMENT SYSTEM FOR THEORY

Quizzes	15%
Assignment	5%
Mid Terms	30%
ESE	50%

TeachingPlan

Week No	Topics	LearningOutcomes
1	Introduction	Introduction to operations management of mining systems,CourseOutline,objectives,teachingplan,assessmentmethod, conceptsreview.
2-6	Comprehensive Overview of	What is a business, Management – what is it, History of Management Theory, Managerial Conceptual Thinking,

	Business and Management Concepts	Management Work within the business, Organizing and the determinants of organization, Planning, Controlling, Leading, daily managerial activities and tools
7-8	Time Management	Time management, Attributes of a manager and Industrial relations and legislation, Introduction to quantitative techniques, Linear programming.
9	**MIDTERM EXAM**	
10-14	Advanced Management Techniques and Project Management Concepts	PERT/Critical Path method, Queueing theory and inventory control, Risk management terminology, Functions and principles of risk management, Introduction to risk assessment, Requirements of the Mine Health and Safety Acts, Characteristics of a project, Phases of a project and role of a Project Manager, Problem solving, especially in production management.
15-17	Case Studies	Coal Mines and Cement industry
18	**END SEMESTER EXAM**	