

Model of the course curriculum (Syllabus)		
Fakultety:	GEOSCIENCES	
Departament:	MATERIALS AND METALLURGY	
Level:	Master	
Subject code:	9	
Subject:	PROJECT DESIGN AND MANAGEMENT IN METALLURGY	
Subject status:	Optional	(Mandatory or optional)
Semestr:	III	WINTER (Winter / Summer)
Fund of hours:	2 + 2	(According to the approved program)
ECTS:	4	(According to the approved program)
Schedule/Hall		
Academic year:		
Teacher:	Prof. Asoc. Izet Ibrahim	
Assistant:		
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CONT ENT	In this module will be treated; key concepts of project design and management, management functions, such as; planning, development, organization, leadership, and control. Tasks, managerial skills and abilities, phases and participants in the project, new concepts of planning and project management in engineering, especially in metallurgy, project cost planning and management, timeline planning and management, routes and time reserves etc.	
PURP OSE	To encourage students' research skills in the field of project design, processes and technologies, as well as project management in metallurgy. They also receive information on modern concepts of planning and management, managerial skills and the relationship between planning and time analysis and expenditure and control.	
AVAIL ABILI TY	<p>The student will;</p> <ul style="list-style-type: none"> ● Upon completion of this course, the student will; ● explains basic planning concepts; ● interprets scientific bases from the field of project design and management; ● show/compare phases, functions and participants in projects; ● analyzes the costs, timelines and development paths of the project; ● demonstrates project organization and leadership; ● evaluates the risks and advantages of the project; 	
	Week:	
	1st week:	PROJECT DESIGN AND MANAGEMENT, HISTORICAL DEVELOPMENT OF MANAGEMENT
	Week II:	UNDERSTANDING THE PROJECT, PHASES AND PARTICIPANTS IN THE PROJECT, PLANNING THE RESEARCH PROJECT
	Week III:	DESIGN, FUNDAMENTAL PRINCIPLES
	Week IV:	ECONOMIC ENGINEERING
	Week V:	PROJECT MANAGEMENT IN METALLURGY,
	Week VI:	PROJECT MANAGEMENT IN METALLURGY,
		Frst intermediate assessment – Assessment test.

	Week VII:	Case studies–selection of topics –
	Week VIII:	HOW TO DEVELOP A RESEARCH PROJECT - Selecting a topic for a case study - Engineering design and management in metallurgy
	Week IX:	DESIGN OF METALLURGICAL PROCESSES AND OBJECTIVES
	Week X:	PROJECT OF THE ORGANIZATION OF METALLURGICAL OBJECTS
	Week XI:	ORGANIZATIONAL STRUCTURES IN THE METALLURGICAL INDUSTRY - STRATEGIC PLANNING
	Week XII:	MANAGEMENT OF THE PLANNING PROCESS - Operational planning
	Week XIII:	LEADERSHIP
	Week - XIV	AUDIT, MANAGEMENT THROUGH CR
	Week - XV	MANAGERIAL SKILLS, THE CONNECTION OF CONTROL AND PLANNING WITH TIME AND COST ANALYSIS
		Intermediate II assessment Case study defense
LITERATURE	<p>Basic literature:</p> <ol style="list-style-type: none"> 1) Suzana Panriti, Menaxhimi i projekteve, Tirane 2002 2) Fundamentals of Tool Design, Sixth Edition, Blaine Danley, Manufacturing Engineering Technology, Ferris State University, 2022 3) Handbook of Metallurgical Process Design, edited by George E.Totten, G.E.Totten & Associates, LLC, Seattle, Washington, U.S.A., New York, 2004 <p>Additional literature;</p> <ol style="list-style-type: none"> 1. Application of thermodynamic modeling to slag-metal equilibria in Steelmaking, L.C. Oertel and A. Costa e Silva Escola de Engenharia Industrial Metalurgica Universidade Federal Fluminense-UFF 27255-125 Volta Redonda RJ Brasil, 1999 2. American national standard ANSI-PMI 99-001-2008, "A guide to the project management body of knowledge", 2008; 3. Kutllovci E., "Menaxhimi i projekteve", prishtinë, 2014 	
TEACHING METHODOLOGY	Lectures, discussions, case studies, presentations by students, practical work, assignments, preparation of reports from study visits, and work in student groups.	

Activity and load	Hours	Days/Weeks	Total
Lectures	2	15	30
Theoretical/laboratory exercises	2	15	30
Practical work	/	/	/
Contacts with the teacher/consultations	2		2
Exercise	-	-	-
Colloquiums, seminars	2	2	4
Homework/written reflections	2	3	6
Student's independent study time (in the library or at home)	2	15	40
Final exam preparation	7	1	7
Time spent on assessment (tests, quizzes, final exam)	2	3	6
Projects, etj.	1	1	1
Totali (1 ETC – 25 ore.)			126

Contribution to the student's workload (which must correspond to the student's learning outcomes).

VLER ĚSIMI	Evaluation methods [according to the Statute and Regulations for UMIB studies]	
	Tests/Assessment of the 1st intermediate.	25 %
Drawing up reports from the study visit.	10 %	
Engagements in debates and discussions	20 %	
Weekly assignments/reflections;	20 %	
Assessment of the II intermediate-Case studies	25 %	
Final assessment (combined test)	40 %	

POLIT IKAT AKAD EMIK E	<p>The criteria for regular attendance and the rules of etiquette during the organization of the lesson are set. <i>Students who have not participated in more than seven lectures will not be able to submit to any of the evaluation criteria.</i></p>
	<p>Further instructions:</p> <ul style="list-style-type: none"> • Computer work Written works must be typed on a computer. In the works, it is mandatory to comply with the criteria for both the visual and content aspects of the requested works. During the works, it is required to respect the spelling rules and APA style ○ Ethics in teaching <ul style="list-style-type: none"> • The different semester papers must be the papers of each student. There will be no tolerance for copying, "borrowing" from the Internet or any other material. The same or similar works will have negative evaluations in the student's final evaluation. • Deadlines <ul style="list-style-type: none"> • In agreement with the students, the deadlines for submitting the papers will be determined. There will be no tolerance for late submission of works. Failure to arrive at the time when the assignment is explained does not excuse the student for not submitting the paper. The deadline will be given earlier. If you are going to travel abroad, then you should submit the paper earlier. The student has the right to request consultation with the professor whenever he/she deems it reasonable and necessary for the completion of his/her work. ○ Rules of conduct and academic policies: <ul style="list-style-type: none"> • active participation of students in lectures • participation in discussion, comments and free expression of opinion, thought and academic attitude (with arguments), • mandatory independent work and the use of additional sources of information (various scientific websites, scientific journals, summaries of conference papers, etc.), • respecting lecture schedules without infringing academic freedom (cell phones on silent), • respecting the speech, thoughts and ideas of colleagues, • low tolerance for late arrivals and departures without any valid reason, • preparing and equipping with the relevant lectures, (obligation of the teacher).