Faculty:	**GEOSCIENCES**	
Name of study program:	Metallurgy	
Department:	Materials and Metallurgy	
Level:	Master	
The code of subject:	8	
Subject:	Environmental protection	
Subject Status:	Elective	(Compulsory or Elective)
Semester:	I	(Winter / Summer)
Total hours:	2+2	(According to approved programe)
ECTS:	4	(According to approved programe)
Schedule / Hall		
Academic year:		
Professor:	Behxhet Shala	
Assistants:		
Contacts:		Assistant
Email:	Behxhet.shala@umib.net	
Phone:		

BRIEF CONTENT OF SUBJECT	The substance contains the composition of the atmosphere. Emission measurement and emissions in industry. Radioactivity in the environment. Pollution protection in various branches of industry. Pollution prevention in the metal industry, metal production. Pollution prevention in the energy production industry. Pollution prevention in the chemical industry. Dangerous pollutants of exhaust gases from various industrial processes. Purification of exhaust gases. Control and measurement of emissions and emissions of gases from industrial products - permitted values. The course is followed by industry visits and participation in gas emissions and emission measurements.
AIMS	The aim of the course is for students to gain knowledge about the emission and emission of gases in local industries, the use of measuring equipment. Analysis of allowed values. Includes methods for collecting and synthesizing data obtained from environmental assessment.
EXPECTED LEARNING OUTCOMES	Expected learning outcomes: 1. Students to know the composition of loads for industry. 2. Students identify harmful elements in the composition of cargo. 3. Students analyze the possibilities of reducing emissions and emissions of industrial processes. 4.Students determine the methods to be used in the load reports required for the industrial process. 5.Students analyze pollution ratios with permitted values. 6. Students to submit syntheses for emissions and emissions of industrial gasses

PROGRAM	Weeks	Content of Environmental protection
	Week - I	INTRODUCTION
	Week - II	Environmental indicators
	Week - III	Mining exploitation
	Week - IV	Natural Resource Management
	Week - V	and Biodiversity Conservation
	Week - VI	Emission and industrial emission
	Week - VII	Emission and emission measurements in industry
	Week - VIII	Pollution prevention in the metal industry, production of
	Week - IX	metal
	Week - X	Pollution from the benefits of electricity from lignite.
	Week - XI	Dangerous pollutants of exhaust gases from various industrial processes
	Week - XII	Pollution and prevention by radioactive processes
	Week - XIII	Emission and emission measurement at the Fe-Ni plant
	Week - XIV	Sustainable developments
	Week - XV	Presentations
LITERATURE	**1.** V Murali Krishna, Valli Manickam "Environmental Management"- Science and Engineering for Industry, 2017. 2. Zarife Bajraktari-Gashi, Qemail Pula, Fatmir Hasimja "The imission of SO_2And smut during the year 2001 and the factors that influence in the increase and the decrease of imission- *Journal Alb-Shkenca* 2008/Vol.3/ Tirana 3. [4]. Zarife Gashi**,** Fatmir Hasimja,Qemail Pula, Sadije Gashi "*The SO2 Emission soot and dust in 2009 and four months of 2010"*, *Journal Alb-Shkenca* 2010/V.5/P.258/Tirana [5].Sadije Gashi, Zarife Gashi, Shefqet Rashani, "Presentation of technical analysis lignite Republik of Kosovo djuring the years 2008-2009 and determination of his burning Kosovo B Power Plant- *Journal Alb-Shkenca* 2010/V.5/p.259/Tirana	
TEACHING ETHODOLOGY	*Lectures, practical part, group work, experimental work, seminar papers, etc.*	

Contribution to student workload (which should correspond to student learning outcomes 1 ECTS credit = 25 hours)

Activity	Hours	Day/Week	Total
Lectures	2	15	30
Exercise sessions - theoretical	2	15	30
Field exercises	-		
Practical work	-		
Consultation with the professor / assistant	2	-	2
Colloquiums / seminars	2	2	4
Independent tasks (work)	2	3	6
Student self study time (in library or at home)	2	15	30
Final exam preparation	4	4	16
Time spent in assessment (tests, quizzes, final exams)	2	2	4
Projects, presentations, etc.	1	3	3
Total			**125**

EVALUATION

Evaluation methods
[according to the Statute and Regulation of UMIB Studies]

Tests	2x15(%)
Practical test during exercises	10%
Seminary work (in word)	10%
Interpretation and presentation of seminary work	10%
Tasks and essays during the semester	
Final exam	40%

ACADEMIC POLICIES

Seminars and presentations must be written on a computer and students will be given deadlines for submitting seminars, presentations and assignments.
During the student evaluation, active participation in lectures and practice Industrial will be taken into account, for example: discussions, comments and free expression of opinion, opinion and academic position (with arguments). Also, it will be mandatory to work independently and use additional sources of information (various scientific websites, scientific journals, conference proceedings, etc.)
The obligation of the teacher is to prepare and equip with the relevant lectures.