UNIVERSITETI I MITROVICËS
'ISA BOLETINI'

Course Curriculum Model (Syllabus)		
Faculty:	**FACULTY OF MECHANICAL AND COMPUTER ENGINEERING**	
Department:	**Computer Science and Engineering**	
Level:	Bachelor	
Code of the course:	111 CSE	
Course:	***Computer-aided design* (*CAD*)**	
Course Status:	-	Mandatory, **Elective**
Semester:	(II)	**Sumer/Sumer**
Number of hours per week:	2+2	
ECTS:	4	
Time / location:	Monday, 9^{00}-10^{30}, S308	
Year of studies:	2021/2022	
Lecturer:	Dr. Fitim Zeqiri	
Assistant:	Dr. Fitim Zeqiri	
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Telefon:		

Content	Introduction and main tools's of Auto Cad. Basics of Auto Cad's: Layers, colors, Linetype and Properties. Text, Mtext, Editing, and Style. Hatch Patetems. Dimensions. Blocks, blocks, DynamicBlocks, Groups and Purge. Polar, Rectangular and Path Arrays. Basic Printing and Output. Advanced Output - Paper Space. Advanced Line work .Advanced Layers. Advanced Dimensions. Options, Shortcuts, CUI Design center and Express Tools. Advanced Design and File Management Tools. Importing and Exporting Data. External References. Solid Modeling. Surface and Meshes. UCS, Vports, Text, and Dimensions in 3D. Dview, Walk and Fly, Animation and Action Recording. Cameras. Lighting and Rendering. Introduction and application of 3D Printers, Materials for 3D Printing and 3d Printer‘s.
Purpose	Recognition and deepening of knowledge from the computer drawing CAD.

Accessibility	Upon completion of this course the student will be able: to construct with AutoCAD drew quickly correct and will use other systems that are tied to production. 1. Students will understand the role of CAD in mechanical component and system design by creating geometric models and engineering drawings. 2. Students will understand the basic mathematics fundamental to CAD software. 3. Students will work in teams to design a mechanical system and fabricate a prototype of their design.

	Weeks	Lecture
Program	***First week:***	Introduction and Basic Commands
	Second week:	Auto Cad Fundamentals Draw, Modify etc.
	***Third week*:**	2D CAD, Layers , colours , Line type and Properties
	Fourth week:	Text, Mtext, Editing, and Style
	Fifth week:	Hatch Patetems
	***Sixth week*:**	3d Cad modelling.
	Seventh week:	Blocks, Wblocks, DynamicBlocks, Groups,and Purge
	Eighth week:	Polar, Rectangular and Path Arrays.
	***Ninth week**:*	Basic Printing and Output. Advanced Output -Paper Space.
	***Tenth week**:*	Advanced Dimensions. Options , Shortcuts, CUI Design canter and express Tools.
	***Eleventh week**:*	Extermal References. Solid Modelling. Surface and Meshes. UCS ,Vports
	Twelfth week:	Text, and Dimensions in 3D
	***Thirteenth week**:*	Walk and Fly Animation, and Action Recording, Lighting and Rendering
	Fourteenth week:	Introduction and application of 3D Printers,
	Fifteenth week :	Materials for 3D Printing and 3d Printer‘s.

Literature	
Literature	[1] Avdiu S, ***AutoCad 2011***, FIM , Prishtinë 2011. [2] Konjusha E, Lutolli Z, ***AutoCad 2D dhe 3D***, Prishtinë 2010. **Literatura plotësuese** [1] Elliot Gindis , ***AutoCad 2012 , 2D and 3D Drawing and Modeling***. [2] Scott Onstott, “**AutoCAD 2016 and AutoCAD LT 2016**” [3] George Omura with Brian C. Benton, “**Mastering AutoCAD 2016 and AutoCAD LT 2016**” ISBN: 978-1-119-04483-3, ISBN: 978-1-119-04479-6 (ebk.).

	Lectures, exercises, individual work, experimental work, seminar papers, colloquia, essays, field work, group work, etc. Completed according to the specifics of your subjects!

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

Activity	Hours	Days/weeks	Total
Lectures	2	15	30
Exercise sessions (with TA)	2	15	30
Practical work	-	-	-
Office hours	2	2	4
Fieldwork	-	-	-
Midterms, seminars	4	2	8
Homework	2	5	10
Self-study	2	4	8
Final exam preparation	-	-	-
Time spent in exams	2	2	4
Projects, presentations, etc.	3	2	6
Total			**100**

Evaluation

Teaching methodology: (according to the Statute and Regulation for studies of UMIB)		
Tests / Colloquia (First Test) (Second test)		10% 10% 10%
Practical test during exercises (Essay)		
Workshop seminar		
Interpretation and presentation of artistic creativity and other works.		
Assignments and courses during the semester		15%
Professional practice.		
Other, Continuity		
Final exam		55%
Total	:	100%
Final grade	Pikët (%)	Nota
	91 – 100	10
	81 - 90	9
	71 - 80	8
	61 - 70	7
	51 - 60	6

Academic policies	**Criteria for regular attendance and rules of etiquette during the organization of the lesson are set.** **Computer work:** Graphic works, I have to draw and write with a computer. In the works it is obligatory to respect the criteria for both the visual and the content aspect of the required works. **Ethics in teaching:** Graphic works should be personal works 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 final evaluation of the student. **Time:** In agreement with the students, the deadlines for submitting works will be determined. There will be no tolerance for delays in the submission of works. Failure to arrive at the time when the assignment is explained does not justify the student for not submitting the paper. The deadline will be given earlier. If you are going to travel abroad, then you need to submit the paperwork in advance. The student has the right to request a consultation with the professor whenever he / she deems it reasonable and necessary for the performance of his / her work. **Rules of conduct and academic policies:** ● active participation of students in lectures o participation in discussion, comments and free expression of opinion, opinion and academic position (with arguments) ● Mandatory independent work and use of additional sources of information (various scientific websites, scientific journals, conference proceedings, etc.) ● Respecting lecture schedules without compromising academic freedom (silent cell phones) of respecting the word, thoughts and ideas of colleagues, ● It is not allowed to arrive late and leave without a valid reason from the lecture, test or exam o preparation and holding of relevant lectures, (obligation of the teacher). ● if the student is absent more than four times without reason in lectures and exercises, does not receive the signature for attendance. o the student cannot take the exam without an official document, if the student is dissatisfied with the grade obtained, has the right to complain in writing to the dean, within two working days after the announcement of the results, UMIB Statute o if the student does not follow the rules, in the exam uses tools that are not allowed, it is evaluated with a negative grade.

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Mitrovicë; 8/01/2021 Dr. Fitim **ZEQIRI**