ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
ಎಟಿಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
State University of Government of Karnataka Established as per the VTU Act, 1994"JnanaSangama"
Belagavi-590018, Karnataka, India

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REGISTRAR

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REF: VTU/BGM/BOSL501/2023-24/5785

DATE: 22 JAN 2024

CIRCULAR

Subject: BAU358D-Clay Modelling SEE related regarding...

Reference: Chairperson BoS in AU mail clarification dated19.01.2024

This is concerning the subject cited, a circular VTU/BGM/BOS/AEC-SEE details/2023-24/5097, dated December 26, 2023, sent to all the colleges updating SEE details of AEC courses in the 3rd semester of the 2022 scheme curriculum.

The Chairperson of the Board of Studies in Automobile Engineering clarified via email dated January 19, 2024, that the **BAU358D-Clay Modeling** subject /course's SEE is **practical** but not MCQ. The inconvenience caused due to a typo error is regrated.

All the concerned faculty and students are hereby informed to note the same.

Sd/-
REGISTRAR

To,

The Principals of Engineering Colleges where Automobile Engineering program being offered.

Copy to,

- The Hon'ble Vice Chancellor through the secretary to the VC for information.
- The Registrar(evaluation) for information and needful
- The Special Officer, QPDS section , VTU Belagavi for information and needful
- The Director, ITI SMU VTU Belagavi to upload the circular on the VTU web portal
- The Special Officer, Academic Section, VTU Belagavi for information and needful
- Office Copy

22/01/24

REGISTRAR

Ability Enhancement Course / Skill Enhancement Course
Automobile Engineering Board

S.NO	Subject Code	Subject Tittle	SEE Options	SEE Duration
		3RD SEM -22 SCHEME		
1	BAU358A	Rural Development	MCQ	1 Hours
2	BAU358B	Bharat Stages (BS) of Emission Standards	MCQ	1 Hours
3	AU358C	Excel Sheet for Engineers (LAB)	Practical	3 hours
4	BAU358D	Clay modelling	Practical	3 hours
		4TH SEM -22 SCHEME		
1	BAU456A	Theory and Applications of Sensors and Actuators	MCQ	1 Hours
2	BAU456B	MATLAB for Engineers (LAB)	Practical	3 hours
3	BAU456C	Autonomous vehicles	MCQ	1 Hours
4	BAU456D	Drive Cycles of Electric Vehicles	Practical	3 hours
		6TH SEM -22 SCHEME		
1	BAU657A	Automotive Heating, Ventilation and Air conditioning	MCQ	1 Hours
2	BAU657B	Digital Twin	MCQ	1 Hours
3	BAU657C	Programming for Automobile engineer's	Practical	3 hours
4	BAU657D	Battery management system	MCQ	1 Hours

CHAIRMAN – BOS

AUTOMOBILE ENGINEERING BOARD
Professor & Head
Department of Automobile Engineering
The Oxford College of Engineering
Bommanahalli, Hosur Road,
Bangalore-560 068.

AEC/SEC	CLAY MODELLING	Semester	3
Course Code	BAU358D	CIE Marks	50
Teaching Hours/Week (L:T:P: S)	0:0:2:0	SEE Marks	50
Total Hours of Pedagogy	01	Total Marks	100
Credits	01	Exam Hours	03
Examination type (SEE)	Practical		

Course objectives:

1. To introduce the students to the methods of Clay modelling techniques.
2. To provide the students with theoretical aspects of clay modelling
3. To train students to create clay models of automobile by using the clay and modelling tools.

Sl.NO	Experiments
1	Introduction to clay modelling.
2	Different types of clay materials and their properties used for modelling.
3	Different tools required for clay modelling.
4	Mould making.
5	Clay preparation.
6	Creating simple 3D forms with clay
7	Creation of simple 3D automobile shapes (body shape)
	Demonstration Experiments (For CIE)
8	Basics of dynamic forms Methods of clay modelling
9	Visit to fine arts school to get hands on experience , Watch https://www.youtube.com/watch?v=j_xN30_4q1U and try to replicate using clay Methods of clay modelling
10	Express visual ideas through making drawings and creating a three-dimensional clay models.
11	Use imagination and invention to represent form, texture, and detail in a clay sculpture

Course outcomes (Course Skill Set):

At the end of the course the student will be able to:

1. Prepare clay material for creating simple 3D forms.
2. Prepare simple 3D forms by using clay modelling tools and techniques.
3. Create 3D automobile body shapes and other simple show piece models.

Assessment Details (both CIE and SEE)

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 40% of the maximum marks (20 marks out of 50) and for the SEE minimum passing mark is 35% of the maximum marks (18 out of 50 marks). A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course if the student secures a minimum of 40% (40 marks out of 100) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

Continuous internal Examination (CIE)

- For the Assignment component of the CIE, there are 25 marks and for the Internal Assessment Test component, there are 25 marks.
- The first test will be administered after 40-50% of the syllabus has been covered, and the second test will be administered after 85-90% of the syllabus has been covered
- Any two assignment methods mentioned in the 22OB2.4, if an assignment is project-based then only one assignment for the course shall be planned. The teacher should not conduct two assignments at the end of the semester if two assignments are planned.
- For the course, CIE marks will be based on a scaled-down sum of two tests and other methods of assessment.

Internal Assessment Test question paper is designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.

Semester End Examinations (SEE)

SEE paper shall be set for 50 questions, each of the 01 marks. The pattern of the question paper is MCQ (multiple choice questions). The time allotted for SEE is **01 hour.** The student has to secure a minimum of 35% of the maximum marks meant for SEE.

OR

MCQ (Multiple Choice Questions) are preferred for 01 credit courses, however, if course content demands the general question paper pattern that followed for 03 credit course, then

1. The question paper will have ten questions. Each question is set for 10 marks.
2. There will be 2 questions from each module. Each of the two questions under a module may or may not have the sub-questions (with maximum sub-questions of 02, with marks distributions 5+5, 4+6, 3+7).
3. The students have to answer 5 full questions, selecting one full question from each module.

Suggested Learning Resources:

Books

1. Clay Modelling for Beginners: An Essential Guide to Getting Started in the Art of Sculpting Clay ~ (Clay Modelling | Clay Modeling | Clay Art) - by Jeanie Hirsch-
2. The Indian Technique of Clay Modelling- Motilal Banarsidass Publishers -1970 Web links and Video

Web links and Video Lectures (e-Resources):

Lectures (e-Resources):

1. https://www.youtube.com/watch?v=1n7apcgQiz0
2. https://www.youtube.com/watch?v=AFKnG-vENUw
3. https://www.youtube.com/watch?v=CDPILhfvxPg

Activity Based Learning (Suggested Activities in Class)/ Practical Based learning.

1. Construct the clay models of different commercial vehicles.