

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

This course outline template acts as a guide for writing your course outline. As every course is different, please feel free to amend the template/ format to suit your requirements.

COURSE PLAN			
Course Title	BASIC AND ARCHITECTURAL DESIGN - I		
Course Code	AR111	No. of Credits	04
Department	ARCHITECTURE	Faculty	Prof. P.Manickavachagam
Pre-requisites Course Code	-		
Course Coordinator(s) (if, applicable)	Prof. P.Manickavachagam		
Other Course Teacher(s)/Tutor(s) E-mail	mani@nitt.edu	Telephone No.	0431-3559
Course Type	<input type="checkbox"/> Core course		
COURSE OVERVIEW			
Creating a design in 2D level using elements with appropriate use of principles and Designing means in otherwords planning and creating different orders.			
COURSE OBJECTIVES			
<ol style="list-style-type: none"> To involve students in a number of exercises that will help them to understand the nature dots, lines and geometric patterns. To involve students in a number of exercises that will help to understand the usage of modular patterns and the process to create creative patterns. To make the students to understand the nature and design by giving exercises in abstraction and subtractive sculpturing. 			
COURSE OUTCOMES (CO)		Aligned Programme Outcomes (PO)	
Course Outcomes <ol style="list-style-type: none"> Students acquire the knowledge about geometrical forms in creating simple patterns Students are enabled to handle basic principles in architecture that are lined with geometric forms. Students know the theory of colors and usage of different color mediums. 		Creating a design in 2D level using elements with appropriate use of principles and Designing in Architecture	

4. Students are equipped to abstract the elements in nature and the architectural theories behind it.
5. Students know to create a two dimensional design using elements with appropriate use of principles and they become expert in planning and creating different orders.

COURSE TEACHING AND LEARNING ACTIVITIES

S.No.	Week	Topic	Mode of Delivery
1.	1 st	1. Dots and Lines. 2. Horizontal and Parallel lines	Lecture and Demonstrations.
2.	2 nd	1. Diagonals and Grids. 2. Modular patterns	Lecture and Demonstrations.
3.	3 rd	1. Circles 2. Creative Pattern - (Part -1)	Lecture and Demonstrations.
4.	4 th	Creative Pattern - (Part -2) Creating Negative and Positive in solid using pen and pencil	Lecture and Demonstrations.
5.	5 th	Creative Pattern - (Part -3) Creating Three Design and the same painted in a sheet.	Lecture and Demonstrations.
6.	6 th	Creative Pattern - (Part -4) Created Three Design is used to create a cube to illustrate optical illusion.	Lecture and Demonstrations.
7.	7 th	Creative Pattern - (Part -5) Created one Design is used to create 3 dimensional model.	Lecture and Demonstrations.
8.	8 th	Creative Pattern - (Part -5) Created one Design is used to create 3 dimensional model.	Lecture and Demonstrations.
MID SEMESTER EVALUATION			
9.	9 th	Nature and Design - Using of opaque water colors	Lecture and Demonstrations.
10.	10 th	Nature and Design – Creating modular, bilateral or symmetrical patterns.	Lecture and Demonstrations.

11.	11 th	Nature and Design – Abstract painting and product Designing.	Lecture and Demonstrations.
12.	12 th	Nature and Design – Abstract additive sculpture.	Lecture and Demonstrations.
13.	13 th	Subtractive sculpture – Making sculpture by using geometric shapes.	Lecture and Demonstrations.
14.	14 th	Subtractive sculpture – Making sculpture by using geometric shapes and understanding architectural theories.	Lecture and Demonstrations.
15.	15 th	Subtractive sculpture – 2D perspective subtraction.	Lecture and Demonstrations.
16.	16 th	Subtractive sculpture – 3D subtraction model.	Lecture and Demonstrations.

COURSE ASSESSMENT METHODS

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage	
				Internal Faculty	External Faculty
1.	Continuous Internal Assessment for 70% for class exercises.	At the end of every Week	NA	70%	-
2.	Mid Term - External Viva - voice	9 th	NA	70%	30%
3.	End Term - External Viva – voice	16 th	NA		
4.	End semester Exam		6hrs		30%

Continuous Assessment for class exercises – 70% + Endsemester exam – 30% = 100marks

ESSENTIAL READINGS : Textbooks, reference books Website addresses, journals, etc

Reference Books:

1. Marjore Elliott Bevin, “Design through Discovery”, Holt Rinehart and Winton, New york, 1977.
2. George A.Covington and Bruce Hannah, “ Access by Design”, Van Nostrand Rinehold, 1996.

3. Owen Cappleman & Michael Jack Jordon, Foundations in Architecture : An Amotated Anthology of Beginning Design Project, Van Nostrand Reinhold New York, 1993.
4. Charles Wallschlagerm & Cynthia Basic-Snyder, Basic Visual Concepts and Principles for Artists, Architects and Designers, Mc Graw Hill, New York 1992.
5. Pramrar V.S., Design fundamentals in Architecture, Somaiya Publications Pvt. Ltd., New Nelhi, 1973.
6. Francis D.K.Ching, "Architecture: Form, Space and Order, Van Nostrand Reinhold Co., (Canaa), 1979.
7. Elda Fezei, Henny Moore, Hamlyn, London, New York, Sydney, Toronto, 1972.
8. Lawrence Bunchy C. Acrylic for Sculpture and Design, 450, West 33rd Street, New York, N.Y.10001, 1972.
9. Exner V., Pressel D., "Basics Spatial Design", Birkhanser, 2009.

COURSE EXIT SURVEY (mention the ways in which the feedback about the course is assessed and indicate the attainment also)

At the end of each project a feedback will be obtained from the students with the five point scale feedback system for further improvement.

COURSE POLICY (including plagiarism, academic honesty, attendance, etc.)

1. On time submission of the exercises given, delayed submission is not accepted. Provided any valid reason with proper evidence like medical certificate or any permission letter for representing the department or institute in sports or any other co-curricular activities.
2. Overall Attendance should not be less than 75%.
3. Whenever the guest lecture and demo classes are conducted 100% attendance is required mandatorily. (The absence may be with valid reasons with evidence)
4. All the reviews should be attended without fail. Submissions should be made one day in advance for all the reviews.
5. All the students should bring their own drawing materials and no borrowing of materials is allowed inside the class, which is going to disturb the activity of the whole class.
6. No plagiarism is permitted in submissions.
7. Proper drawing or painting materials as instructed prior to the class should be brought to the class pertaining.

ADDITIONAL COURSE INFORMATION

eg.: The Course Coordinator is available for consultation at times that are displayed on the coordinator's office notice board. Queries may also be emailed to the Course Coordinator directly at -----

FOR SENATE'S CONSIDERATION

Course Faculty 8.5.2015 CC-Chairperson [Signature] HOD [Signature]