

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI

INSTRUCTION DIVISION

FIRST SEMESTER 2015-2016

Course Handout

Date: 03/08/2015

Course No : GS F326
Course Title : Creative Thinking
Instructor –in –Charge : Sangeeta Sharma

Scope and objectives of the course:

The main aim of the course is to learn about creativity and its importance through brainstorming. It will also highlight the conceptual framework of creative thinking and how to increase effective novel thinking by applying creativity-relevant strategies. The assessment of creative thinking will be done through the assignments.

- 1. Textbook:** Khandwalla, Pradeep N. 2004. Life Long Creativity: An Unending Quest. New Delhi: Tata Mc Graw Hill
- 2. Reference Books:**
 - Birch, Paul and Brian Clegg. 2004. Crash course in Creativity- fresh ideas new solutions. New Delhi: Kogan Page.
 - Bono, Edward De. 1987. The Use of Lateral Thinking. Great Britain: Penguin books
 - Khandwala, Pradeep N. 1992. Fourth Eye-Excellence through Creativity. Second Edition. Allahabad: Wheeler Publishing
 - George, Frank. 1970. Models of Thinking. London: George Unwin Ltd.
 - Bono, Edward de. 1992. Serious Creativity. London: Profile books Ltd.

3. Course Plan:

Lecture. No.	Learning Objectives	Topic to be covered	Reference
1-3	To know the realm of creativity	Definition, Lateral thinking, Traits of creative people	Ch1 T1
4-5	To highlight the process of creative thinking and how it can be enhanced	Stepwise Process, Motivation, Environment, Technology and Training	Ch2 T1
6-9	To critically examine the creative personalities and identify the roadblocks	Characteristic features of creative people, Is it race and gender specific? Are creative people mad?	Ch3 T1
10-14	To learn about six thinking hats	Creative positive pause, Focus, Challenge, Provocation	Part 2 Ref 2
14-16	To develop creative thinking through problem solving	What is a problem? Creative problem solving, mechanism to convergent thinking, models of creative problem solving	Ch10 T1
17-21	To know how to acquire a creative persona	Peeping inwards, traits congenial to creativity, creative personality, motivation and creativity	Ch12 T1
22-24	To enhance creativity through brainstorming and role of creative environment	Formative environment and creativity, Environment stimulants of creativity, Self diagnosis	Ch14 T1
25-27	To teach techniques of creative problem solving	Principles and techniques for churning up creative ideas, A comparison of creative techniques	Ch15 T1

27-30	To learn about advantage of creative thinking in different professions	Entrepreneurship, Teaching, Medical, Engineering, Music and Drama, Cinema, Advertising	Reference material
31-32	To introduce concepts of Critical thinking	Definition, Critical thinking standards, Benefits and Barriers	Reference material
33-34	To recognize Arguments	What is an argument, Identify premises and conclusions, What is not an argument	Reference material
35-37	To know of Creativity in the organization	Creative organizations, Force stimulating innovativeness, Designing innovative organizations, Strategies	Ch8 ref 5
38-39	To learn the design of creative society	The need, Characteristic, Elements, Reinforcement of meritocracy, Strategies for transforming.	Ch9 Ref 5
40-41-42-43	Assignments		

4. Evaluation Scheme:

Component	Duration	Weight age (%)	Date & time	Remarks
Mid term	90 mts	20	9/10 8:00 - 9:30 AM	Open book
(Project)	Take home	10		
Assignments(4)	Class	30		Open book
Comprehensive	2 hrs	30	10/12 FN	Closed

5. Chamber Consultation Hours: To be announced in the class.

6. Notices: Notices concerning this course will be announced at Nalanda.

Instructor-In-Charge

