

Design & Practical Experience

A committee consisting of following members was constituted by Dean (Academics) to recommend the modalities for implementation, administration and evaluation of non-graded credit to be earned under **Design & Practical Experience**.

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The committee met multiple times to discuss and after deliberations came up with modalities for implementation, administration and evaluation.

Objective of this non grade core requirement component is to give opportunities to students to learn in an informal setting. It is needless to say that this mode of learning if implemented well is often more effective than conventional lectures/laboratory work. Second and even more important objective of this course is to inculcate design thinking among students and facilitate them to gain some design immersion experience.

As a part of this requirement, every student is expected to earn minimum of five units of design/practical experience to complete the degree requirements. Committee felt that these credits can be earned in multiple ways during the semester as well as during vacation. Some of the ways in which design/practical experience can be acquired are as follows:

1. Courses with design focus (core or elective) including Mini Project/Independent study/Major Project Part II which are designated to give design/practical experience units.
2. Courses (core or elective) with optional design/practical experience component.
3. Summer/semester internships by students in R&D/Industry including abroad
4. Summer/winter internships under the guidance of institute faculty.
5. Participation in Design/innovation projects by Innovation Center/CAIC

Table below gives modalities for implementation and evaluation of these units.

Implementation and Evaluation Plan for Design/Practical Experience Course

Activity	No of Design/Practical Experience Units	Criteria for awarding Units	Units which can be earned	
			Min	Max
Course with design focus (which are primarily design)	Designated with no of design units which course will carry(in	Successful completion of the course	1	2

courses or has significant design component)	course of study			
Course with optional design/practical experience component	Optional design units which can be earned need to be specified at the time of floating	Successful completion of design/practical experience component	1	2
4-week internship during winter/summer	1	Evaluation by faculty supervisor/internship supervisor	1	1
8-week internship during summer	2	Evaluation by faculty supervisor/internship supervisor	2	2
One semester internship	5	Evaluation by faculty supervisor/internship supervisor	5	5
Participation in design/project activity under the supervision of faculty during semester	1 or 2	Evaluation by faculty supervisor	1	2
Participation in workshops organized by industry/institute visitors/visiting faculty	1	Evaluation by institute faculty hosting the workshop	1	1
Participation in Design/innovation projects by Innovation Center/CAIC	1 or 2	Evaluation by faculty mentor/ Coordinator Innovation Center	1	2

In order to give enough opportunity to students it is important to offer sufficient number of internships/projects/courses with design/practical experience contents by every department/center. In view of this the prevailing design/innovation courses may be continued by departments either as core or as a departmental elective.

Administration & Evaluation

It is mandatory for students to register for each of the above activities at the beginning of each semester or session. At the successful completion work, the faculty responsible for evaluation will award and inform the design units earned by student. A student cannot register for more than two activities which can earn design units during any semester/vacation.