

## **CH-910 Reading & Research-I**

Credit Hours: 3-0

**Prerequisite: Nil**

### ***Course Objectives***

To provide an understanding of recent research trends in specific topics, applicable characterization technologies and applications of choice. There will be special focus on the topics which are related to the research assignment of the student.

### ***Course Outcomes***

Having successfully completed the program, student will be able to demonstrate knowledge and understanding of major issues at the frontiers of his/her research topic. Student will also demonstrate specialized technical knowledge in synthesis and characterization techniques required in forthcoming PhD research project.

### ***Course Contents***

The supervisor interested in offering a Reading and Research course to his/her Ph.D. student will prepare a course outline that includes course objectives, learning outcomes, course contents, and week-wise course contents. In addition, relevant text/reference books or research papers will be mentioned in the course outline.

### ***Approval***

The supervisor will submit the course contents in a standard format containing a detailed week-wise breakdown to the concerned HoD usually one week before the commencement of the regular semester for approval by DBS. After approval from HoD, the instructor/supervisor will submit a copy of the course contents to the Program Coordinator. The Program Coordinator will register the course on the Qalam and add it to the timetable.

### ***Timetable***

Reading and Research Courses will be included in the timetable and taught in the classrooms.

***Examinations and Grading***

Evaluation and assessment of students shall be conducted as per NUST examination rules for PG courses, that is, regular conduct of quizzes, and assignments apart from scheduled Mid- Semester and End semester Exams. Students will be graded as per NUST approved procedure in vogue for PG courses.

***Credit Hours***

For a student, a Reading and Research course will count 3 credit hours and for the instructor, it will count as 1 credit hour per course.

***Recommended Books***

Recent research journals of international repute and related books.