**COURSE SYLLABUS**

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| **Course Title：**PhD Dissertation Research I | | | | |
| **Credits / Hours** | 0/1 | **Course Number** |  | **■ Required □ Elective** |
| **Course Description:**  This course is not only to acquaint doctoral students with basic knowledge and attitudes regarding academic research topics, but also enable students to collect, read, think, analyze, and organize the international SCI journal papers and the research topic-related scientific SCI papers or reports on their thesis topics and studies as well as make oral presentations. The training also assists students in completing their doctoral dissertations. The goal of the course is to guide students to develop effective study behavior of independently solving the research problems. Therefore students can integrate with different knowledge and skills from their academic and co-curriculum experiences and learn how to write professional papers and reports. | | | | |
| **Course Topics** | | | | |
| **Topic** | | **Content** | | |
| Course introduction  and topic define | | 1. Introduction of basic knowledge and academic attitudes. 2. Determine their research topics. | | |
| Ph.D. Thesis or Dissertation research method and reading | | 1. Introduction of electronic data base for SCI journal papers, conference papers, and patents, etc. 2. Introduction of SCI research paper formats and practice creating electronic files. 3. Introduction of research methods for SCI professional papers, including reading, thinking, analyzing, organizing and making the presentation files. | | |
| Learning “novel idea” from SCI papers  Oral presentation and discussion  How to critical review SCI papers | | 1. Collect and organize the related topics of research literature and make into presentation files. 2. PowerPoint file preparation based on some specific research topics (Thesis related fields) 3. Oral presentation and discussion in accordance with the order of the grouping reports. 4. Q and A-all students | | |