

## Course Contents & Delivery Plan

<b>Week No.</b>	<b>Course Content</b>	<b>Focus</b>
1	Introduction to Research Methodology	
2	Scientific Approach	Research Topic Discussion
3	Literature Review	Seminal Paper Search
4	Research Design	EndNOTE®, Mendeley ®
5	Planning & Management (Discipline specific)	Problem Solving: Literature Review
6&7	Intro to Software for Data Analysis & Visualization (Discipline specific)	Latex ®, Excel®, MATLAB®, SPSS ®, other relevant software.
8	Introduction to NUST PG Policies – MS/PhD	a. TH Forms b. PhD Forms
9	Academic Writing (Discipline specific)	a. Poster Development b. Abstract writing c. Proposal Writing
10	Referencing Guidelines	a. Discussion: Review / Rebut Strategies b. Citation/ referencing (APA, Harvard, IEEE, etc)
11	Research Ethics: a. Concept of Ethics in Research b. Overview of the “The Little Book of Plagiarism” c. Introduction to Turnitin	a. Difference between similarity index & plagiarism b. Demonstration of Turnitin
12	Presentation /soft skills	Tips for preparation and delivery a. 3-Minutes research brief b. Thesis defence c. Synopsis d. Title e. Predefence
13	Introduction to Journal & Conference Ranking Systems to include Scopus, WoS, HJRS, JCR	
14	Intellectual Property (IP) Filing	a. Types of IP b. Guidelines on preparation of Patents Application
15	Research Proposal Presentations	
16	Research Proposal Presentations	