

## **RESEARCH METHODOLOGY SYLLABUS**

**Semesters 5&6**

### **CHAPTER 1: PREPARING THE GROUND**

#### Introduction

- What is Research?
- Approaches to Research
- Attributes of a researcher
- Ethics & Integrity in Research

#### I. The Undergraduate Research Project

##### 1. Value of the Project

- What is an Undergraduate Research Project?
- Aims of a Research Project
- Skills and understanding needed to complete the project
- Assessment criteria

##### 2. Planning the Project

- Selecting a topic
- Hypothesis & research question
- Title and project outline
- Timing
- Supervision

#### II. Review of the literature

1. Literature review
2. Literature searching
3. Reading and referencing

### **CHAPTER 2: DATA COLLECTION TOOLS**

#### Introduction

- The scientific method
- Quantitative Vs. qualitative research
- Triangulation

- Reliability & validity
- Piloting.

I. Conducting the study

1. Documents analysis
2. Observational research
3. Questionnaires
4. Interviews
5. Diaries/logs

## **CHAPTER 3: INTERPRETING & REPORTING THE FINDINGS**

### Introduction

I. Analysing & interpreting the findings

1. Results analysis strategy
2. Questionnaire results analysis

II. Writing the report

1. The writing plan
2. Structuring the report
3. The three writing stages
4. Some style features
5. Some technicalities of report writing