

# **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