

## **ADL523 Research Methodology**

**Level:** 5

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JULY

### **Synopsis:**

ADL523 Research Methodology explores a wide range of research methods commonly adopted in education, psychology and social sciences. This course provides knowledge for students to understand the fundamentals of quantitative research methods as well as qualitative research methods across disciplines. Various stages of the research process are introduced to students, from the development of research questions, construction of research design, and methods of data collection and analysis. By exploring these topics, students will develop the skills to conduct scientific inquiries.

### **Topics:**

- What constitutes a research study: The process of conducting research
- Identifying a Research Problem & Reviewing the Literature
- Formulating Research Questions
- Experimental Designs
- Survey Designs
- Ethnographic Designs
- Mixed Method Designs
- Collecting Quantitative Data
- Analyzing and Interpreting Quantitative Data
- Collecting Qualitative Data
- Analyzing and Interpreting Qualitative Data
- Ethics in Conducting Research

### **Textbooks:**

Creswell, J. W: Educational research: planning, conducting and evaluating quantitative and qualitative research 6 Pearson  
ISBN-13: 9780134519364

Creswell, J. W: Educational research: planning, conducting and evaluating quantitative and qualitative research 6 Pearson  
ISBN-13: 9780134519364-AA

**Learning Outcome:**

- Examine both the strengths and weaknesses of different research designs.
- Evaluate empirical studies regarding different stages of the research process.
- Analyse the purposes that underpin different research methods.
- Prepare a research proposal to address a research problem and achieve certain research objectives.
- Critique key research issues in the published research studies, including research questions, research design, data collection, data analysis and interpretation of research findings.
- Demonstrate an ability to identify and engage with a range of ethical issues involved in a research process

**Assessment Strategies:**

<b>Continuous Assessment Component</b>	<b>Weightage (%)</b>
PRE-CLASS QUIZ	5
TUTOR-MARKED ASSIGNMENT	45
<b>Sub-Total</b>	<b>50</b>

<b>Examinable Component</b>	<b>Weightage (%)</b>
ECA	50
<b>Sub-Total</b>	<b>50</b>

**Weightage Total** **100**