Module: Research Methodology (RMLL)
Academic year: 2020/2021
Level: Master 2
Lecture day and time: Wednesday 15:00pm – 16:00 pm
Lecturer: Moustafa Amrate

COURSE OUTLINE

1. **LECTURE ONE - Introduction to research and basic concepts**
   1.1. What is research?
   1.2. Why do research?
   1.3. Stages of research
   1.4. Basic research concepts
      1.4.1. Literature review
      1.4.2. Research questions and hypotheses
      1.4.3. Quantitative vs. qualitative research
      1.4.4. Characteristics of quantitative and qualitative research
      1.4.5. Validity and reliability
      1.4.6. Research ethics
2. **LECTURE TWO - Literature review**
   2.1. Defining literature review
   2.2. The purpose of a literature review
   2.3. Types of academic sources
   2.4. Organizing the literature review
   2.5. Navigating the literature (online tutorial)
   2.6. Referencing (online tutorial)
3. **LECTURE THREE - Data collection tools: Classroom observation**
   3.1. Defining classroom observation
   3.2. Purpose of classroom observation
   3.3. Advantages and disadvantages of classroom observation
   3.4. Elements of the classroom observation
   3.5. Instruments for classroom observation
   3.6. Types of classroom observation
   3.7. Qualities of good classroom observation
   3.8. Ethical considerations in classroom observation
4. **LECTURE FOUR - Data collection tools: Questionnaires & interviews**
   4.1. Questionnaires
      4.1.1. What is a questionnaire? (questionnaire vs survey)
      4.1.2. The purpose of questionnaires
      4.1.3. Types of questionnaire items
      4.1.4. Planning a questionnaire
      4.1.5. Survey design
      4.1.6. Questionnaire layout and confidentiality
      4.1.7. Piloting a questionnaire

       4.1.8. Administering a questionnaire
4.2. Interviews
       4.2.1. What is a research interview?
       4.2.2. Why use an interview in research?
       4.2.3. Types of research interviews
       4.2.4. Planning an interview
       4.2.5. Designing an interviews schedule
       4.2.6. Piloting an interview
       4.2.7. Transcribing interview data
4.3. Self-reports and introspection

5. LECTURE FIVE – Data collection tools: Second language data elicitation
   5.1. Explicit vs. implicit knowledge
   5.2. Second language speech
       5.2.1. Eliciting semi-spontaneous oral production
       5.2.2. Eliciting controlled oral production
   5.3. Written data
   5.4. Psycholinguistic techniques
   5.5. Pragmatics research techniques
   5.6. Acceptability judgement tasks
   5.7. Computer-mediated research

6. LECTURE SIX: Triangulation & Sampling
   6.1. Triangulation
       6.1.1. What is triangulation
       6.1.2. The purpose of triangulation
       6.1.3. Advantages of using triangulation
       6.1.4. Challenges of using triangulation
   6.2. Sampling in research
       6.2.1. A research population vs. a research sample
       6.2.2. Probability sampling
       6.2.3. Non-probability sampling

7. LECTURE SEVEN - Qualitative data analysis
   7.1. Defining qualitative data
   7.2. Coding qualitative data
   7.3. Types and examples of qualitative data coding
   7.4. Qualitative data management
   7.5. Thematic analysis
   7.6. Validity and reliability of qualitative data analysis
   7.7. Computer-assisted qualitative data analysis (online tutorial)

8. LECTURE EIGHT - Quantitative data analysis
   8.1. Defining quantitative data
   8.2. Descriptive statistics (online tutorial)
       8.2.1. Measures of central tendency
       8.2.2. Measures of spread
       8.2.3. Data visualization
   8.3. Inferential statistics and hypothesis testing (online tutorial)