

## Research Methods Course – ACM/UDSM Tanzania Program – Fall 2011

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Day	Topic	Chapters in Leedy
1	What is research?	1
2	Tools of Research	2
3	The Problem: The Heart of the Research Process	3
4	Review of the Related Literature	4
5	Planning Your Research Project	5
6	Writing You Research Proposal	6
7	Qualitative Research	7
8	Historical Research	8
9	Descriptive Research	9
10	Experimental and Ex Post Facto Designs	10
11	Strategies for Analyzing Quantitative Data	11
12	Technical Details: Style, Format, and Organization	12
13	Scientific Writing	
14	Project Ideas and Collaboration with Colleagues	
15	Research Proposals Due	
16	Field Preparation	
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17	Debriefing	
18	Research Meetings	
19	Preparation of Posters	
20	Drafts of Research Paper Due	
21	Final Research Paper Due	
22	Poster Presentations	

### Course Objectives:

- 1) Read, analyze, and summarize primary scientific literature.
- 2) Search for and retrieve primary sources of scientific literature.
- 3) Evaluate the relevance of literature to a specific research question or topic.
- 4) Understand the relationship between research design and statistical analysis.
- 5) Critically evaluate the validity of research reported in the literature.
- 6) Learn how to create appropriate figures and tables, and to write clearly and concisely.

- 7) Propose and successfully carry out your personalized research project.
- 8) Present the results of your research to a wider audience in both oral and written forms.

Text: Leedy, P.D. and J.E. Ormrod. 2010. Practical Research: Planning and Design, 9<sup>th</sup> edition. Pearson. 336 pp.

Grading:

Class journal entries	10	
Data collection exercises		15
Draft of research proposal	5	
Oral presentation of proposal	10	
Research proposal (final)		10
Oral presentation in the field	10	
Paper on helping other projects	10	
Final poster presentation		10
Final project paper	20	