

01204591/01204691 Research Methodology

1st semester 2010 (June – September)

Instructor Information

Instructor: Associate Prof. Anan Phonphoem, Ph.D. (รศ.ดร.อนันต์ พลเพิ่ม)
Guest Speaker: TBA
Office: Building 15, Room 407 (and Room 710: IWING Lab)
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Course Information

Lecture: Mon 6 – 9 (Room 203)
Class URL: <http://www.cpe.ku.ac.th/~anan>
Course Description: Research principles and methods in computer engineering, and problem analysis for research topic identification, data collection for research planning, identification of samples and techniques. Analysis, interpretation and discussion, of research result report writing for presentation and publication.
Text Book: “The Craft of Research,” Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams, The University of Chicago Press, **Second Edition, 2003**, ISBN 0-226-06568-5
Supplement: Assigned in class

Grade

Assignment:	70 %
Presentation	15 %
Attendance & participation	15 %

Grading Policy

- Your Grade is based on the overall class performance. However, the cumulative score **below 50%** is considered as **fail (F)**.
- An “**F**” grade will be given to any form of cheating (for all parties).
- More than 20 min. late is considered as 0.5 class attendances and more than 40 min. late is considered as missing one lecture.

Assignment Policy

- All hard-copy assignments must be handed in at the beginning of the class (> 15 min. is considered late). For soft-copy will be timed by the local time stamp.
- No Late assignment will be graded.
- No credit for plagiarism and considered as cheating.
- No credit for copying homework or assignment (for all copies) and considered as cheating.

Tentative Course Schedule

Week	Class Date	Note / Invited Speaker	Description
1	Mon, June 7		MCPE Proposal Exam
2	Mon, June 14		Introduction to RM
3	Mon, June 21		Research topic identification Tools and Techniques (e.g.
4	Mon, June 28		Understanding Publication (ISI, Impact Factor,
5	Mon, July 5		Searching Technique (Digital library, EndNotes)
6	Mon, July 12		Literature Review, Planning and Drafting
7	Mon, July 19	ผศ.ดร.ชัยพร ใจแก้ว	Latex and XFig
	Mon, July 26	No Class	Buddhist Lent's Day
	Mon, Aug 2		Midterm Exam (4 – 7 PM)
8	Mon, Aug 9		Mathematical Tools (e.g. Statistics)
9	Mon, Aug 16		Presentation Technique
10	Mon, Aug 23		Writing Up Research
11	Mon, Aug 30	ผศ.ดร.ฐิติวรรณ ศรีนาค	Research Ethics
12	Mon, Sep 6		Students' Presentation I
13	Mon, Sep 13		Students' Presentation II
14	Mon, Sep 20		Students' Presentation III
	Mon, Sep 27		Final Exam (1 – 4 PM)