

01204591/01204691 Research Methodology

1st semester 2011 (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)
Office Hours: Monday 12:00 – 2:00 PM or by appointment
Tel. No.: 02-942-8555 ext 1428
Email: anan.p@ku.ac.th
URL: <http://www.cpe.ku.ac.th/~anan>; <http://anan.phonphoem.in.th>

Course Information

Lecture: Tue 6 – 9 PM
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: -
Supplement: “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

Grade

Assignment: 55 %
Final Report (Pre-Proposal) 15 %
Presentation 15 %
Attendance & participation 15 %

Attendance Score

Description	Score (0 – 1)
0 – 15 min	1
15.01 – 100 min	(100 – MinLate)/100
> 100 min	0
If missing class	
• with “letter of leave of absence in advanced”	0.5
• without “letter of leave of absence in advanced”	0

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).

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	Description
1	Tue, June 7		Introduction to RM
	Tue, June 14	No Class	Class Postpone (Conference in Prague)
2			Research topic identification Tools and Techniques (e.g. Mindmap)
3	Tue, June 21		Understanding Publication (ISI, Impact Factor, Proceedings,
4	Tue, June 28		Searching Technique (Digital library, EndNotes)
5	Tue, July 5		Literature Review, Planning and Drafting
	Tue, July 12	No Class	Commencement Day
6			Latex 1
7	Tue, July 19		Latex 2
	Tue, July 26	No Class	IOI Computer Olympics – Pattaya
8	Tue, Aug 2		Mathematical Tools (e.g. Statistics)
9	Tue, Aug 9		Writing Up Research
10	Tue, Aug 16		Research Ethics
11	Tue, Aug 23		Presentation Technique
12	Tue, Aug 30		Other related topics
13	Tue, Sep 6		Students' Presentation I
14	Tue, Sep 13		Students' Presentation II
15	Tue, Sep 20		Students' Presentation III