

01204591/01204691 Research Methodology

2nd semester 2019 (Dec 2019 – March 2020) Section: 1, 696, 699

ประจำภาคปลาย ปีการศึกษา 2562

Instructor Information

Instructor: Associate Prof. Anan Phonphoem, Ph.D. (รศ.ดร.อนันต์ พลเพิ่ม)
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Instructor: Assistant Prof. Aphirak Jansang, D.Eng. (ผศ.ดร.อภิรักษ์ จันทร์สร้าง)
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Course Information

Lecture: Mon 6 – 9 PM (Room 501)
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	Description
1	Introduction to RM
2	Research topic identification Tools and Techniques (e.g. Mindmap)
3	Understanding Publication (ISI, Impact Factor, Proceedings, Conferences)
4	Searching Technique (Digital library, EndNotes)
5	Literature Review
6	Planning and Drafting
7	Latex and XFig
8	Latex II
9	Mathematical Tools (e.g. Statistics)
10	Presentation Technique
11	Writing Up Research
12	Research Ethics
13	Students' Presentation I
14	Students' Presentation II
15	Students' Presentation III