소프트웨어공학 원리 (SEP521)

Jongmoon Baik

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SINCE 1971

Class Information

- Instructor: Jongmoon Baik
  - Office: TBD
  - Phone: 042-350-3556/010-4618-5904
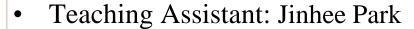 - Email: jbaik@kaist.ac.kr
  - Office Hour: THU: 10:00-11:30AM
                    (or By Appointment)

- Class Info.
  - Class Hours: THU 13:30 – 16:30 PM
  - We'll start on time with any questions and end on time

- Teaching Assistant: Jinhee Park
  - Phone: 042-350-7756/010-2478-0660
  - Email: jh_park@kaist.ac.kr

- Class Website:
  - http://spiral.kaist.ac.kr/wp/2015springsep521/
  - Announcements: You must check periodically
  - All assignments, lecture notes and supplemental materials are available on Class Schedule

- E-Mail
  - Be careful as it does not show other recipients
  - Send e-mails with subject line starting with "[SEP521] XXXXXX"

Text Book & References

- ## Main Text Book
  - Roger S. Pressman, 'Software Engineering: A Practitioner's Approach', 8th Edition, McGraw Hill, 2015, ISBN 978-1-259-25315-7

- ## References
  - Grady Booch, James Rumbaugh, Ivar Jacobson, 'Unified Modeling Language User Guide', 2nd Edition, 2005, ISBN-10: 0321267974/ISBN-13: 978-0321267979
  - Martin Fowler, 'UML Distilled: A Brief Guide to the Standard Object Modeling Language', 3rd Edition, 2003, Addison-Wesley, ISBN-10: 0321193687/ISBN-13: 978-0321193681

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Class Schedule

1주	Class Overview / Software & Software Engineering
2주	Process Models & Agile Methods
3주	Software Project Planning/Estimation
4주	Requirement Engineering
5주	UML (Unified Modeling Language)
6주	Software Architecture
7주	MIDTERM EXAM
8주	Software Design Modeling
9주	Quality Concept/Review Technique
10주	Software Testing Strategies
11주	Formal Modeling and Verification
12주	Software Risk Management
13주	Software Metrics
14주	Maintenance and Re-engineering
15주	Project Presentation
16주	FINAL EXAM

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Course Structure

- Lectures
  - Check for slides DAY OF LECTURE please
  - We try to update all the time
  - Not all the supplemental materials will be on Class Website due to copyright protections

  - Proactive participation is critical
  - Ask questions
  - Prepare questions ahead of class

    Challenge the instructors and each other!

Grading Policy

- Participation & Attendance (10%)

  - *Our perception! Not yours…. Ask if you don't know*
  - I will call on people randomly at first, not so later
  - Be proactive, but don't just "run the mouth"

- Midterm Exam (20%) & Final Exam (20%)

  - Cover all the materials you learned before the midterm

- Assignments (Group & Individual - 20%)

  - Due at beginning of each week

- Final Project(30%)

Assignments

- Each Assignment: Posted on the Web
- Due: At the beginning of the class on the due date
- Submission
  - hard copy to Instructor at the class
  - Email soft copy to T.A. (CC it to Instructor)
- Late Penalty
  - One day (30%), Two days (50%)
  - Two days after due date: No Acceptance

- More than 15% absent
  - Fail the class (Grade: F)
- Being late more than 30 minutes
  - Regarded as absent
- No disturbance in the class
  - Cellular Phone: Turn off or Manner mode
  - No walking in and out during class
- Pro-active participation
  - Bring with your questions and ideas

Writing Suggestions

- First draft -don't worry about length
- Don't "format" it down, edit the paper to right length
- Common errors
  - Paper not proofed
  - Doesn't answer the question (s)
  - Hard to read – format

"If you don't like reading it, we won't either"

- Must be readable
  - Intended audience: Senior management
- PLEASE, 12 pitch font minimum
- Simple font
- 1.5 spacing is nice BUT not mandatory
- Use indentation, bold, etc. as needed
- Must make sense to the reader

Course Readings

- Text
  - May repeat for review
- Provided (Files or Links)
- Active reading – 3 times
  - Skim first
  - Read in full with questions in mind
    - What happened, significance to the field, lessons learned…
  - Read Again

Citation of Your Source

- Typically one warning, with a reduced grade
- Then 0's, or fail in class
- If using material verbatim
  - Put in quotations with "according to"etc.
  - I don't need full source cite
    - According to Jalote, "……….."
    - Or at end of sentence, paragraph, "Jalote, pgs. 47-51"
- If in doubt, ask
  - Paraphrasing, still state source, but quotations may not be needed

Plagiarism !!!

- From www.academicintegrity.org, in U.S.
  - 70% of students admit to some cheating
  - 25% admit to cheating on major tests
  - 50% on written assignments in past year
  - 40% to plagiarizing from the internet
  - 77% don't see this as a "serious issue."
  - 49% admit to unpermitted student collaboration
  - Faculty reluctance to be "bad guys."
- Cheating, copying other work, plagiarism is on the rise in US universities.
- Many students feel that they need to "cheat" in order to be competitive
- Some students have stated that "cheating" is acceptable in some cultures
- Some have stated that plagiarism is a form of flattery

"In any presentation, creative, artistic, or research, it is the ethical responsibility of each student to identify the conceptual sources of the work submitted. Failure to do so is dishonest and is the basis for a charge of cheating or plagiarism, which is subject to disciplinary action. "

Plagiarism is considered cheating!

What is plagiarism?

- According to the Merriam-Webster Online Dictionary, to "plagiarize" means
  - to steal and pass off (the ideas or words of another) as one's own
  - to use (another's production) without crediting the source
  - to commit literary theft
  - to present as new and original an idea or product derived from an existing source.
- An act of fraud (stealing someone else's work)

- Professional integrity
- Unlike study, faculty here have no problem dealing with Plagiarism/Cheating
  - No greater offense
  - Allowing yourself to be copied…
- Reputation will follow you
- KAIST has a site license for Turnitin
  - Web and DB search for similarity

Q & A