Course Syllabus

Course Number	2110221
Course Abbreviation	**COMP ENG ESSENTIALS**
Course Title	Computer Engineering Essentials
Credit	3 (3 – 0 – 6)

Course Number	2143101
Course Abbreviation	**INTRO TO ICE**
Course Title	Introduction to ICE
Credit	3 (3 – 0 – 6)

Method of Measurement	Letter Grade (A B+ B C+ C D+ D F)
Type of Course	Semester Course
Semester	1st semester
Academic Year	2015

Instructors

- Atiwong Suchato
- Natawut Nupairoj
- Veera Muangsin
- Chaiyachet Saivichit

Venue of Class

- Eng100, iScale 401
- Eng100, iScale 405

Course Description

Overview of computer engineering, information system and information technology; hardware and software; logic circuit and processor; algorithm and program; database; computer network and internet, artificial intelligence and robot; embedded system; data center; security; computer ethics; intellectual property; computer industry.

Schedule

Week #	Mon	Activity	Wed	Activity
1	10-Aug-15	-- No Class --	12-Aug-15	-- No Class (National Holiday) --
2	17-Aug-15	Course Orientation	19-Aug-15	Activity 1
3	24-Aug-15	Activity 1 (Wrapping Up)	26-Aug-15	Activity 2
4	31-Aug-15	Activity 2 (Wrapping Up)	2-Sep-15	Activity 3
5	7-Sep-15	Activity 3 (Wrapping Up)	9-Sep-15	Activity 4
6	14-Sep-15	Activity 4 (Wrapping Up)	16-Sep-15	Activity 5
7	21-Sep-15	Activity 5 (Wrapping Up)	23-Sep-15	Activity 6
8	28-Sep-15	-- Midterm Exam Week --	30-Sep-15	-- Midterm Exam Week --
9	5-Oct-15	Activity 6 (Wrapping Up)	7-Oct-15	Activity 7
10	12-Oct-15	Activity 7 (Wrapping Up)	14-Oct-15	Activity 8
11	19-Oct-15	Activity 8 (Wrapping Up)	21-Oct-15	Activity 9
12	26-Oct-15	Activity 9 (Wrapping Up)	28-Oct-15	Activity 10
13	2-Nov-15	Activity 10 (Wrapping Up)	4-Nov-15	Activity 11
14	9-Nov-15	Activity 11 (Wrapping Up)	11-Nov-15	Activity 12
15	16-Nov-15	-- No Class (University Activity)	18-Nov-15	Activity 12 (Wrapping Up)

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Communication with students
Main Communication Channel:
> **https://www.facebook.com/groups/1451810815127607/**

Learning Management System:
> **CourseVille**

Assessment

Activities Assessed	%
Activity Preparation / Reading Assignment	10.00
Activity Participation and Results	70.00
Written Midterm Examination	10.00
Written Final Examination	10.00

Assessment Criteria
> Grade letter "A" for the total score of >=80
> Grade letter "B+" for the total score of >=75 and <80
> Grade letter "B" for the total score of >=70 and <75
> Grade letter "C+" for the total score of >=65 and <70
> Grade letter "C" for the total score of >=60 and <65
> Grade letter "D+" for the total score of >=55 and <60
> Grade letter "D" for the total score of >=50 and <55
> Grade letter "F" for the total score of <50

Reading List
Required Texts
> *Computer Science, An Overview, J. Glenn Brookshear, Pearson*
> Readings will be assigned on a weekly basis

Related Electronic Media or Websites
> Additional Readings / Self-Learning will be assigned on a weekly basis