

Computer: The Internet and Society

Semester 1/63

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Faculty of International Studies, PSU Phuket

Website: <https://www.norrathep.com/teaching/805-182-1-63/>

Lecturer

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Nickname: Oak

Hometown: Bangkok

Expertise: Security in IoT Devices



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Course Rules



DON'T BE LATE



**DO YOUR
HOMEWORK**



**ENCOURAGED TO
ASK QUESTIONS**



**ZERO-TOLERANCE
FOR CHEATING!!!!!!!**

Policies when using Zoom

Course Policies

- Naming your Zoom account during login to include your **student ID**, **fullname** and **preferred name**.
- Turn on camera at the beginning of class
- Turn off camera during lecture when told so
- Turn off microphone if there is noisy background

Policies when using Zoom

Recording Policies

- Every lecture starting next lecture will be recorded.
- Recorded lectures can be published per student's request.
- Do not distribute recorded lectures without my permission.

What this course is about

- Impact of **Information Technology (IT)** on society
- Sufficient **IT knowledge**
 - What computers are
 - How computers work
 - How computers communicate
 - IT Buzzwords (Big Data, AI, Cloud)

Purposes of this Course

- 1. **Know** and understand the concept of computer information.
- 2. Identify the different types of applications and choose an appropriate application for a specific use-case.
- 3. Have **knowledge** and understanding of operating systems and choose a proper operating system for a specific use-case.
- 4. Have **knowledge** and understanding of the Internet and its application as well as their current trends, such as cloud computing applications.
- 5. Do **research** and have a discussion about the current social issues related to technologies that have a profound impact on today's society.
- 6. Do **research** and discuss globalization, privacy, access to information, and computer security that impact today's society.
- 7. Have **knowledge** and understanding of the transformation of work and the workplace.
- 8. Do **research** on online education.
- 9. Do **group research**, write a report, and make a group presentation based on an issue of Internet technologies that affect the current or the future of society.
- 10. Have English communication skills.

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Main Purposes

Know and understand current/future IT trends

- Talk to tech people
- Realize when buzzwords are misused

Be safe in the IT world

- Protect yourself against cyber attacks
- Aware of privacy issues

Course Description

Computer information, applications;
Operating systems and applications;
The Internet and its application;
List of social issues: globalization,
privacy, access to information,
computer security, the transformation
of work and workplace, electronic
education

Course Outline

- Website: <https://www.norrathep.com/teaching/805-182-1-63/>
- Lecture: Tu/Th 13:30-15:00
- Evaluation:
 - Midterm 25%
 - Final 20%
 - Attendances 10%
 - Homework 20%
 - Final Project 25%

A: 82-100% B+: 76-81% B: 70-75%

C+: 64-69% C: 58-63% D+: 54-57

D: 51-53 E: <50%

Week	Tentative Topics
2	Computer and Information Technologies
3	Operating Systems and Applications
4-5	Communication and Networks
6	Globalization: The Internet Applications and Technologies
7	Cloud Computing and Applications
8, 10	Data Science: Big Data, Machine Learning, and AI
9	Midterm
11	Social Networks and Issues
12-13	Security and Privacy
14	Workplace Transformation
15	Online Education and Impact to Education Industries
16	Group Project Presentation

Homework

- ~1 homework every week
- Given a topic, research online to find answers
 - Explain technology X, find use-case of X, case study of X, challenge of X etc.
 - Group of 5-6
 - <10 minutes of presentation
 - Except first/second weeks and first week after midterm
- Announced 1 week prior to the due date

Final Project (Group of 5-6)

Impact of a specific technology on society

- **Title and Abstract**
- **Introduction:** importance of this technology
- **Literature Reviews:** explain this technology in details
- **Challenges & Solutions**
- **Results:** impact on society, case study, moving forwards
- References

Criteria: 25 pts

- Proposal: 2 pts.
- Progress Report: 3pts
- Final Report: 10 pts.
- Presentation: 10 pts.

Final Project

Proposal (2pts)

- Due July 10th
- Propose topic of your interest

Progress Report (3pts)

- Due Sept 4th
- Report your progress

Final Report (10pts)

- Due at the end of the semester. At most 10 pages
- Title/Abstract: 1pt
- Introduction: 2pts
- Literature Review: 2pts
- Challenges/Solutions: 2pts
- Results: 2pts
- References: 1pt

Presentation (10pts)

- Last week of class. 12 mins + 3 (Q&A) mins
- Understanding: 5pts
- Presentation skills: 2pts
- Questions and Answers: 3pts

Project Examples

- IoT in Industries
- AI and Gaming
- Future Internet Architectures
- Privacy Issues in Data-Centric Era
- Are We Ready for Online Education?
- Reality Check for Blockchain
- Etc.

Resources



News:
CNN, BBC, NBC



Research Articles:
[Scholar.google.com](https://scholar.google.com)

Plagiarism



- Definition from Wikipedia:
 - “Plagiarism is the representation of another author's language, thoughts, ideas, or expressions as one's own original work. Plagiarism is considered academic dishonesty and a breach of journalistic ethics.”
- PSU has a plagiarism checker
- Always acknowledge the source when used in your work
- Cite in References section

Exams

Midterm

- 25%
- 13:30 – 16:30 on August 5, 2020

Final

- 20%
- 13:30 – 16:30 on October 6, 2020

Software

Zoom

Kahoot

VPN

LMS

Let's test

1. <https://kahoot.it/>
2. <https://lms2.psu.ac.th/course/view.php?id=8407>
 - Turn in reports + grading information
3. <https://www.norrathep.com/teaching/805-182-1-63/>
 - Post lecture slides
4. Survey:
 - <https://forms.gle/C3ewuhxMHqGJfhWk8>
 - Login using your phuket.psu email
 - If it doesn't work, use PSU VPN:
<https://km.phuket.psu.ac.th/archives/5189>

Test

NETFLIX

BLACK MIRROR

Homework

Complete the survey by this week

Team up: Group of 5-6

- Come up with a team name
- Let me know if you need help finding groups
- You can also use forum in PSU LMS

Questions/Concerns?

Taking Attendance

At the beginning of class

- Turn on **camera** and **microphone** when I say your name
- Your Zoom name must include your student **ID**, your **full name** and your **nickname**/preferred name (if you have one).

(Also, tell your friends if they haven't done so 😊)

If you are going to be late, let me know in advance!!!!

Updated: Homework

- 5-7 students per group
- Every one on your team must present at least once.
- It does not matter how long you present but you have to present at least once.
- If you don't present at all, you will lose 10 points.

Updated: Zoom's Recording Policies

- As a student, feel free to record the lecture
- But do not share recordings or post them on a public place (e.g., a website) without my permission

Clarification on Attendance

- 10% of the grades
- Formula: attendance point = your total point * 10 / number of lectures
- 1 attendance point per lecture

Example:

- 30 lectures that I take attendance
- Your attendance points = total points * 10 / 30
- Example: if you never missed a class, your total point = 30 => your attendance points = $30 * 10 / 30 = 10$
- If you missed 6 classes, your total point = 24 => your attendance points = $24 * 10 / 30 = 8$

You get attendance point only if:

1) Turn on camera and microphone at the beginning of a class

AND

2) Your team might be randomly selected to answer some questions. If no one from your team answers, your **WHOLE** team will not get an attendance point.

AND

3) Answer questions on Kahoot (if Kahoot is used in that lecture)

Note:

You will not lose a point even if you answer incorrectly!

Test Kahoot

- Your Kahoot name must include your English name.
- www.kahoot.it
- If for some reasons, you cannot join Kahoot or answer questions on Kahoot. Take a screenshot of the Kahoot website and send it to me after class.

Anonymous Feedback

<https://forms.gle/eqv8xF7aHNXCyfkG6>

At any time throughout the whole course, you can submit any feedback or concern regarding the course (or about me) **anonymously** via the link above.



a·non·y·mous

/ə'nänəməs/

adjective

(of a person) not identified by name; of unknown name.
"the donor's wish to remain anonymous"

Reminder

- Fill in the survey:
<https://forms.gle/C3ewuhxMHqGJfhWk8>
- Find a team