Departmental Orientation for year 2 students

Dr. X Qi

2020-08-31
Rundown

1. Welcome speech (by Prof. K. T. Chau)
2. Plagiarism (by Dr. J Zhong)
3. Curriculum structure and OBASL syllabus (by Prof. Ricky Kwok)
4. Examination matters (by Prof. Wallace Choy)
5. Lab matters (by Dr. W Y Cheung)

6. Safety matters (by Prof. Anthony Choi)

7. Election of Class representatives (CE, EE, ElecE)

8. Electrical and Electronic Engineering Association (EEEA)
Department of Electrical & Electronic Engineering
The University of Hong Kong
Professor K.T. Chau, Head
Why Are You Here?

• I simply like HKU.
• I like to study EEE.
• I hope to become an engineer in EEE sector.
• I hope to become a researcher in EEE field.
• I was allocated to EEE, which was not my preferred choice.

How the universities fared

<table>
<thead>
<tr>
<th>University of Hong Kong</th>
<th>Overall rank 2019</th>
<th>Overall rank 2018</th>
<th>Academic reputation 2019 (40% weighting)</th>
<th>Academic reputation 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Hong Kong</td>
<td>25</td>
<td>26</td>
<td>96.7</td>
<td>99.1</td>
</tr>
<tr>
<td>Hong Kong University of Science and Technology</td>
<td>37</td>
<td>30</td>
<td>83.6</td>
<td>93</td>
</tr>
<tr>
<td>Chinese University of Hong Kong</td>
<td>49</td>
<td>46</td>
<td>86.1</td>
<td>94.3</td>
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<tr>
<td>City University of Hong Kong</td>
<td>55</td>
<td>49</td>
<td>55.6</td>
<td>70.8</td>
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<td>Hong Kong Polytechnic University</td>
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<td>95</td>
<td>8.7</td>
<td>8.9</td>
</tr>
<tr>
<td>Hong Kong Baptist University</td>
<td>277</td>
<td>299</td>
<td>1.9</td>
<td>1.9</td>
</tr>
<tr>
<td>Lingnan University</td>
<td>631</td>
<td>630</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

Source: QS World University Rankings

Department of Electrical and Electronic Engineering
# Greatest Engineering Achievements of Past 100 Years

|-----------------------------|-------------------------|-------------------|-------------------------|

[US National Academy of Engineering](http://www.greatachievements.org/)
Our Uniqueness

• The oldest university in HK.
• The oldest established dept in HK.
• The only dept comprising electrical, electronic and computer engineering.

Prof Ada Poon, Stanford University, graduated in 1996
Mr. TK Chiang, CLP Managing Director, graduated in 1988
Sun Yat-Sen, graduated in 1892

Department of Electrical and Electronic Engineering
Our Aims

- Nurture you to become an engineer in EEE sector
- Nurture you to become a researcher in EEE field
- Nurture you to become an engineering manager or investor
- Nurture you to become a leader!
What Should You Do?

• Well prepare your study plan
• Well manage your time 🕒
• Regularly meet your academic advisor
• Seek advice from Program Directors for queries relating to your program
• Seek advice from Training Manager for queries relating to training/internship
• Work hard while playing hard!
Plagiarism
Policy
Penalty Guidelines
How to Avoid Plagiarism
Plagiarism is defined as the unacknowledged use, as one's own, of work of another person, whether or not such work has been published. Acts of plagiarism include copying parts of a document in whatever media, using or extracting another person’s concepts, experimental results or conclusions.

Students who willingly provide the source for copying encourage plagiarism and will be penalized in the same light.

The University views plagiarism as a serious academic misconduct: leading to the imposition of heavy penalties, including expulsion from the University.
If a student is found engaged in plagiarism for the first time, then his particular work in question (such as an experiment report, assignment, exercise or examination/test) will be awarded a mark of zero percent.

Where the case of repeated plagiarism is substantiated, the student's name will be forwarded to the University Disciplinary Committee via the Department Head, in additional to the penalty as stated above.
Possible Penalty Outside Dept

- If a student is found engaged in plagiarism even for the first time, his particular work in question will be awarded a mark of zero percent, and his name will be forwarded to the University Disciplinary Committee in additional to the penalty as stated above.
How to Avoid Plagiarism

- Re-write in your own words and acknowledge your sources of information
- Clearly indicate what is copied (using separate paragraphs or quotation marks), and where it is copied (acknowledging your sources)

Sources of information:

What is plagiarism?
Teaching and learning at The University of Hong Kong
[https://tl.hku.hk/plagiarism/]

David Gardner, *Plagiarism and How To Avoid It.*
Centre for English Studies, The University of Hong Kong.
[http://www4.caes.hku.hk/plagiarism/]
Latest Development

- Some teachers have used the Turnitin Assignment function in HKUmoodle. Turnitin (http://www.turnitin.com/) which is a worldwide recognized plagiarism detection software to online identify plagiarism cases.

- Some teachers have used dedicated software to identify plagiarized programming works.

- Our teaching assistants and demonstrators have paid attention to identify plagiarized lab reports and assignments.
Some Cases

- Some students were found engaged in plagiarism in only 1 lab report, they all got zero marks in that lab report, leading to fail the Practical Work (PW) component and also the whole course.

- A student engaged in plagiarism two times, and the Disciplinary Committee suspended his/her studies for 6 months.

- A student was found engaged in plagiarism in the other department course for the first time, he/she was forwarded to the University Disciplinary Committee.
Recent Cases in EEE

- Some students were found engaged in plagiarism in course assignments.
- Some students were found engaged in plagiarism in lab reports.
- Some students were found engaged in plagiarism in online quizzes.
- Some students were found engaged with different levels of similarity in Senior design project reports.
- Some students were found engaged in plagiarism in MSc course assignments.
- Some students were found engaged with different levels of similarity in MSc dissertations.
Curriculum structure of CE, EE, ElecE

Prof. Ricky Kwok
BEng Programmes in EEE

• Three programmes:
  – Computer Engineering (CE)
  – Electronic Engineering (ElecE)
  – Electrical Engineering (EE)

• All programmes share a common first year.
4-Year Curriculum Structure

Capstone

Specialty Courses

Pillar Courses

Foundation Courses

= Senior Design Project

Electronics and Photonics

Computer Systems

Comm. and Networking

Electrical Energy

Signal Processing & Control Systems

Integrated Design Project

Compl. Studies

Free Electives

Circuits

Computer Organization

E&M

Energy

Signals & Linear Systems

Common Core

Math.

Comp. Prog.

Lang.

Phy. Eng.

General Eng.

240 credits

http://elink.eee.hku.hk/ug_curriculum_charts.html
Programme Briefing

• Details to be further introduced in individual programme briefing
• CE: 31 Aug 9:30-10:30am
• EE: 31 Aug 10:30-11:30am
• ElecE: 31 Aug 4:30-5:30pm
Internal website for course and programme related information

- **www.eee.hku.hk** (scroll to the bottom)
- **www.elink.eee.hku.hk**
Complete course selection procedure and enrol courses for the academic year of 2020-21 via the Student Information System (SIS) during the following enrolment period:

<table>
<thead>
<tr>
<th>Period</th>
<th>From</th>
<th>To</th>
<th>Suspension Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Enrollment Period</td>
<td>Aug 5, 2020</td>
<td>Aug 11, 2020</td>
<td>Aug 6, 2020 (9:00-14:29)</td>
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<tr>
<td>1st Sem Add-drop period</td>
<td>Sep 1, 2020</td>
<td>Sep 15, 2020</td>
<td>Sep 2, 2020 (12:00-16:59)</td>
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<tr>
<td></td>
<td>12:00 (yr2)</td>
<td>14:00 (yr3)</td>
<td></td>
</tr>
<tr>
<td>2nd Sem Add-drop period</td>
<td>Jan 18, 2021</td>
<td>Feb 1, 2021</td>
<td>Jan 19, 2021 (12:00-16:59)</td>
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<tr>
<td></td>
<td>12:00 (yr2)</td>
<td>14:00 (yr3)</td>
<td></td>
</tr>
<tr>
<td>Summer Sem add-drop period</td>
<td>June 15, 2021</td>
<td>June 22, 2021</td>
<td>June 16, 2021 (12:00-16:59)</td>
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<tr>
<td></td>
<td>10:00</td>
<td>16:00</td>
<td></td>
</tr>
</tbody>
</table>
• Normal Study Load:
  • First semester: 30 credits
  • Second semester: 30 credits
  • Summer semester: 6 credits

• Students can take additional credits not exceeding 6 credits in one semester
• The maximum credit load in one academic year (sem 1 + sem 2 + summer) should not exceed 72 credits
OBASL syllabus
( OBASL = Outcomes-Based Approaches to Student Learning)
What is OBASL?

OBASL Model

Learning Outcomes: Statement or a set of statements
T&L Activities: Teaching and learning methods
Assessment: An on-going evaluation process
Each course syllabus contains:

- Course learning outcomes (CLOs)
- Programme learning outcomes (PLOs)
Course Learning Outcomes

• Different courses have different course learning outcomes (CLOs)
• They are what you are expected to learn from each course
• E.g. Master the operation principle, mathematical analysis and practical application of major electromechanical motion devices and systems
Programme Learning Outcomes

• Standardized
• **What abilities that you are expected to have when you finished the course and the programme**
• **12 programme learning outcomes (PLOs)**
• Matched with “HKIE Abilities for Engineering Graduates”
12 PLOs

• (1) an ability to apply knowledge of mathematics, science, and engineering appropriate to the degree discipline
• (2) an ability to design and conduct experiments, as well as to analyse and interpret data
• (3) an ability to design a system, component or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability
12 PLOs

- (4) an ability to function on multi-disciplinary teams
- (5) an ability to identify, formulate and solve engineering problems
- (6) an ability to understand professional and ethical responsibility
- (7) an ability to communicate effectively
- (8) an ability to understand the impact of engineering solutions in a global and societal context, especially the importance of health, safety and environmental considerations to both workers and the general public
12 PLOs

- (9) an ability to stay abreast of contemporary issues
- (10) an ability to recognize the need for, and to engage in life-long learning
- (11) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice appropriate to the degree discipline
- (12) an ability to use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations
Where You can Find OBASL Syllabus?

Each course OBASL syllabus can be found in the “Course Information” in HKU Portal.
EEE graduates
• **Project “Lumino”**- a cost-efficient one-stop solution to the barrier-free movement for the visually impaired
• Initiated by 2 BEng(CE) students: Desmond Wong, Felix Wong (class 2020)
• Project in their course ELEC3442 Embedded systems
• Ideas got further developed by joining various competitions
• **2nd Prize**: Collegiate Computing Contest: Mobile Application Innovation Contest (co-organized by Zhejiang University and APPLE)
• Youth Innovation Award: **Best Creative Idea Finalist**- SG Digital Wonderland 2019 (organized by IMDA Singapore)
• **Start-up Seed Fund (HK$100,000)**- Science and Technology Entrepreneur Programme (STEP)

https://innowing.hk/lumino
• HKU DreamCatchers 100K Competition
• http://www.dreamcatchers.hku.hk/
• 2017 – BEng (CE) graduate Chiu King Yuen+ 2 BEng (CS) students won $100K for their start-up company “Weava”
陳樂兒（右起）、黎嘉威及趙境元，均是應屆港大畢業生，同樣放棄聘書搞Startup。 （相片由受訪者提供）

到矽谷打天下是不少港青的夢想，但剛從香港大學（HKU）畢業的陳樂兒卻放棄亞馬遜（Amazon）的筍工，毅然跟兩名同學創業。他們研發的網上工具Weava，推出約10天就入圍Google旗下軟件Chrome的精選擴充功能，引起一些學者注意和使用，得以反攻美國著名大學。只要敢追夢，哪裏都是矽谷。

Weava的3名創辦人陳樂兒（23歲）、黎嘉威（22歲）及趙境元（23歲），都是應屆港大畢業生，同樣早已獲得聘書，但他們立志創業並付諸實行，研發出一個網上資料搜尋及協作工具Weava。當用戶標誌文章重點後，將連同網址等相關資料，儲存至個人賬戶的檔案中。
Thank You!

www.eee.hku.hk
Examination Matters

Department of
Electrical and Electronic Engineering
The University of Hong Kong

Prof. Wallace Choy
chchoy@eee.hku.hk
3917-8485
ASSESSMENT

Practical Work (PW)  Examination (EX)

In-course Assessment (IA)

Examination & Assessment (EA)

Combined Mark (CB)
ASSESSMENT

• To pass a course, a student must pass both **PW** and **EA** components **separately**.

• Note not all courses have all the three components.

• Students will be informed by the Faculty/Department of the relative percentage assigned to the different components early in the academic year.
GRADES & GRADE POINTS

- COURSE MARKS (0 ... 100 %)
  - GRADES (F, D ... A+)
    - GRADE POINTS G (0, 1, ..., 4.3)
  - Except Workshop training & Industrial Training (P or F only and not accounted in GPA calculation)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Grade</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
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<td>4.3</td>
</tr>
<tr>
<td>Excellent</td>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td></td>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>Good</td>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td></td>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>Satisfactory</td>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>Sufficient</td>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>Fail</td>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>
GRADE POINT AVERAGES (GPA)

• **Grade Point Average (GPA)**

\[
GPA = \frac{\sum_i \text{Course grade point} \times \text{Course credit value}}{\sum_i \text{Course credit value}}
\]

where \( i \) stands for all passed and failed courses taken by the student over a specified period.

• **Semester Grade Point Average (SGPA)**

The GPA in respect of courses attempted by a candidate during a given semester.

• **Year Grade Point Average (YGPA)**

The GPA in respect of courses attempted by a candidate during a given academic year.

• **Cumulative Grade Point Average (CGPA)**

The GPA in respect of courses attempted by a candidate at the time of calculation.
If you fail a course

- Candidates are required to make up for failed courses in the following manner

  1. Undergoing re-assessment/re-examination in the failed course to be held no later than the end of the following semester (not including the summer semester); or

  2. Re-submitting failed coursework, without having to repeat the same course of instruction; or

  3. Repeating the failed course by undergoing instruction and satisfying the assessments; or

  4. For elective courses, taking another course in lieu and satisfying the assessment requirements.
UNSATISFACTORY PROGRESS

• A student will be **warned** (through a warning letter)
  - if the number of **credits passed** ≤ 18 for current semester, or
  - if the **SGPA ≤ 1.5** for current semester, or
  - one semester prior to the maximum period of registration if he/she has not graduated

• A student will be recommended for **discontinuation** if any one of the following 3 situations occurs
  - failed to complete at least **36 credits in two consecutive semesters** except where they are not required to take such a number of credits in the two given semesters,
  - failed to achieve **an average of SPGA of 1.0 or higher** for two consecutive semesters*,
  - exceeded the maximum period of registration specified in the regulations of the degree

*(not including the summer semester)*
Examination arrangement

- All examination dates and venues are arranged by the University examination office.
- Exam timetable will not be changed because of personal reasons.
- Students who are absent from examination of a course due to illness with certified medical certificates are required to attend a supplementary examination.

Assessment period
Sem 1 = Dec 8-Dec 23, 2020
(Online exam in sem 1)
Sem 2 = May 10-May 29, 2021
BEng DEGREE CLASSIFICATION

The classification of honours shall be determined by the Board of Examiners for the degree in accordance with the Cumulative GPA (CGPA), with all courses taken (including failed courses) carrying equal weighting.

- First Class Honours
- Second Class Honours, Division One
- Second Class Honours, Division Two
- Third Class Honours
- Pass

Honours classification may not be determined solely on the basis of a candidate’s CGPA and the Board of Examiners has its discretion.
Laboratory Matter

Dr. WingYiu Cheung
CB514
E-mail: wycheung@eee.hku.hk
Tel: 39172699
Introduction

• To pass the course, student has to fulfill all requirements:
  – Course work
  – Examination
  – Practical work (Lab)
  – etc.
• Please be noted the marks may not be compensate for the other session
• Have to pass both Exam and Lab session (PW)
  ** BOTH
Lab Arrangement

• Covid19 issue
  – Zoom Laboratory demonstration
    • Join the Zoom meeting room
    • Ask TA during breaks
    • Data and information - provided
  – Face to Face Lab sessions
    • Depend on Situation
    • Data by experiment

• Submission of report – same, 2 weeks after the laboratory session.
## Lab Session

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Lab code</th>
<th>Lab Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC2346</td>
<td>Electronic circuits</td>
<td>CCT01</td>
<td>Op-amp and Diode Circuits</td>
</tr>
<tr>
<td>ELEC3141</td>
<td>Power transmission and distribution</td>
<td>P3</td>
<td>Power System Interconnection</td>
</tr>
<tr>
<td>ELEC3143</td>
<td>Power electronics</td>
<td>PE1</td>
<td>Power Converters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PE2</td>
<td>Simulation</td>
</tr>
<tr>
<td>ELEC3242</td>
<td>Communications Engineering</td>
<td>AM1</td>
<td>Amplitude Modulation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SM1</td>
<td>Pulse Amplitude Modulation</td>
</tr>
<tr>
<td>ELEC3245</td>
<td>Control and instrumentation</td>
<td>C21</td>
<td>Servo Position Control System</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C23</td>
<td>Control System Simulation and PID Control</td>
</tr>
<tr>
<td>ELEC3350</td>
<td>Electronic circuits</td>
<td>EMD-02</td>
<td>Characteristics of some Solid State Devices</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC1</td>
<td>The Common-Emitter Amplifier</td>
</tr>
<tr>
<td>ELEC4142</td>
<td>Power system protection and switchgear</td>
<td>P6A</td>
<td>Tests on Directional Overcurrent Relay</td>
</tr>
</tbody>
</table>

** would be done by group or not

All the lab information are on: [www.eee.hku.hk/~ugsnews](http://www.eee.hku.hk/~ugsnews)
Lab Session Registration

https://elink.eee.hku.hk/ug_home.html
Lab Session Registration

The University of Hong Kong

Undergraduate Laboratory Bulletin Board

Lab Timetable

Laboratory sessions for the 1st semester 2018-2019
- Wed: 9:30 am - 12:30 pm
- Sat: 9:30 am - 12:30 pm

To improve the lab scheduling arrangement, our department has implemented the new sign-in system, similar as that employed for the University course enrollment.

Please access the following link to register/check the lab sessions: https://appsyr.eee.hku.hk/labsession/

The sign-in system will be open in 9:00-1:00 Monday - Friday during the add drop period, from 05-Sept (09:00) until 13-Sept (17:00). It will be open as the 24-hours basis from 14-Sept (Fri).
The system will be closed on 29-Sept (Sat), and please register all the lab sessions on or before the deadline.

IMPORTANT NOTES
1. Only students who have enrolled in a course are allowed to sign up lab sessions of that course. Please be noted that the new enrollment information will be updated every Thur. Lab sessions that are signed up by a student who has dropped the course will be released during the regular system updates.
2. Lab schedules are registered on the first come first served basis.
3. The numbers of lab sessions are arranged based on the student enrollment numbers. Additional lab sessions may be offered when the enrollments exceed the maximum quotas without further notice.
4. If you come across difficulty identifying an available lab session that does not conflict with your timetable, please send email to WY Cheung (wycheung@eee.hku.hk) and attach certain proofs, e.g., the registered course timetable.
5. If you want to swap sessions with your friends, please do that by yourselves through the system. We only allow students who signed up the session to attend the lab session. No walk-in is allowed.
Lab Session Registration

THE UNIVERSITY OF HONG KONG
Department of Electrical and Electronic Engineering

Lab session registration (2018-2019 Semester 1)

The On-line registration was over, please login to check your registered Lab sessions.

You must read these important notes before you first login the system

HKU Portal login

Or

EEE account login

Note:
1) Guidelines of the system, please read this PDF.
2) If you cannot login, please clear your web browser’s cache.
3) Please disable Proxy Server Setting and Enable Cookies within web browser.
4) If you have any Lab session registration enquires (e.g. enrollment record missing), please contact Dr. W.Y. Cheung by email: wycheung@eee.hku.hk
5) If you have any login problems, please contact Computer Service Group (CSG) by phone: 2859-2695 or email to benson@eee.hku.hk

• Login the lab sign-in page with the EEE/HKU portal account
THE UNIVERSITY OF HONG KONG
Department of Electrical and Electronic Engineering
Lab session registration for 2019-2020

Note:

1. To register/view the lab session, please click the link underneath the Lab columns (Lab1-Lab5)
2. : courses in 1st Semester
3. : courses in 2nd Semester
4. : courses in Summer Semester

Remark on PLAGIARISM:

Any student should not share the hardcopy or softcopy of a lab report or assignment, by email, by placing the related files in computers that may be accessible by others, or by any other means. If plagiarism is discovered, all students involved will have their marks set to zero on that submission. The consequence could be significant for it could lead to failing of the practical work (PW) component of a course, which leads to failing of the entire course.

* Download 2019-20 Sem1 Lab Timetable.
* Download ELEC2940 Training details and time table.

1) Please click me to view the course information and sign-up lab sessions.

2) Please click me to manage registered lab sessions and view unregistered one.

3) Please click me to view enrollment information.

Should you have any registration enquiries (e.g. enrollment record missing), please contact Dr. W.Y. Cheung via email wycheung@eee.hku.hk

Should you have any computer problems on this page, please contact Mr. Benton via email benton@eee.hku.hk

• Lab time schedule can be downloaded as reference
### Lab Time Table

#### 2018-2019 semester 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>2346 Electric circuit theory</th>
<th>3141 Power transmission and distribution</th>
<th>3143 Power electronics</th>
<th>3241 Signals and linear systems</th>
<th>3242 Comunacations Engineering</th>
<th>3245 Control and instrumentation</th>
<th>3350 Electronic circuits and devices</th>
<th>4142 Power system protection and switchgear</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Oct (Wed)</td>
<td>9:30 - 12:30</td>
<td>CB102</td>
<td>CB104</td>
<td>HW310</td>
<td>CB103</td>
<td>CB103</td>
<td>CB102</td>
<td>CB104</td>
<td>CB102</td>
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<tr>
<td>6-Oct (Sat)</td>
<td>9:30 - 12:30</td>
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<tr>
<td>10-Oct (Wed)</td>
<td>9:30 - 12:30</td>
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<tr>
<td>13-Oct (Wed)</td>
<td>9:30 - 12:30</td>
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<tr>
<td>17-Oct (Wed)</td>
<td>9:30 - 12:30</td>
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<td>20-Oct (Sat)</td>
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</tr>
<tr>
<td>3-Nov (Sat)</td>
<td>9:30 - 12:30</td>
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<tr>
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<td>9:30 - 12:30</td>
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<tr>
<td>10-Nov (Sat)</td>
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<td>17-Nov (Sat)</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Remarks:**

1. Separate lab sessions are indicated with different numbers, i.e., 1, 2, 3, ... and etc.
2. The lab takes 3 hours, lab sessions start at 9:30 am.

---

- All lab sessions are offered on Wed and Sat morning.
To register / view the lab session, please click the link underneath the Lab columns (Lab1-Lab5)

1 : courses in 1st Semester
2 : courses in 2nd Semester
S : courses in Summer Semester

Remark on PLAGIARISM:

Any student should not share the hardcopy or softcopy of a lab report or assignment, by email, by placing the related files in computers that may be accessible by others, or by any other means. If plagiarism is discovered, all students involved will have their marks set to zero on that submission. The consequence could be significant for it could lead to failing of the practical work (PW) component of a course, which leads to failing of the entire course.

* Download 2019-20 Sem1 Lab Timetable.

* Download ELEC2840 Training details and time table.

- Please click underlined column title to sort

1) Courses information:

<table>
<thead>
<tr>
<th>No.</th>
<th>Course Code</th>
<th>Semester</th>
<th>Course Title</th>
<th>Teacher</th>
<th>Lab 1</th>
<th>Lab 2</th>
<th>Lab 3</th>
<th>Lab 4</th>
<th>Lab 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2346</td>
<td>1</td>
<td>Electric and electronic circuits</td>
<td>Choi A</td>
<td>CCT01</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>3141</td>
<td>1</td>
<td>Power transmission and distribution</td>
<td>Hou Y</td>
<td>P3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>3143</td>
<td>1</td>
<td>Power electronics</td>
<td>Pong MH</td>
<td>PE1</td>
<td>PE2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>3242</td>
<td>1</td>
<td>Communications Engineering</td>
<td>Lam W H</td>
<td>AM1</td>
<td>SM1</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>5</td>
<td>3245</td>
<td>1</td>
<td>Control and instrumentation</td>
<td>Pang K H</td>
<td>C21</td>
<td>C23</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>6</td>
<td>3350</td>
<td>1</td>
<td>Electronic circuits and devices I</td>
<td>Lai PT</td>
<td>EMD-02</td>
<td>FC1</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Register Lab Sessions

THE UNIVERSITY OF HONG KONG
Department of Electrical and Electronic Engineering

Lab session registration for 2019-2020

Course information:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>2346</th>
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<tbody>
<tr>
<td>Semester (1/2/S)</td>
<td>1</td>
</tr>
<tr>
<td>Course Title</td>
<td>Electric and electronic circuits</td>
</tr>
<tr>
<td>Teacher</td>
<td>Choi A</td>
</tr>
<tr>
<td>Lab</td>
<td>CCT01</td>
</tr>
</tbody>
</table>

Course Lab sessions (Please refresh your browser before registration, so you have current information):

<table>
<thead>
<tr>
<th>No.</th>
<th>Action</th>
<th>Lab</th>
<th>Session</th>
<th>Date (M/D/Y)</th>
<th>Time</th>
<th>Venue</th>
<th>Max Qouta</th>
<th>Quota registered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
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<td>01</td>
<td>10/26/2018</td>
<td>9:30-12:30</td>
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<td>24</td>
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<td>02</td>
<td>10/30/2018</td>
<td>9:30-12:30</td>
<td>CB102</td>
<td>24</td>
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<td>3.</td>
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<td>03</td>
<td>11/2/2018</td>
<td>9:30-12:30</td>
<td>CB102</td>
<td>24</td>
<td>0</td>
</tr>
<tr>
<td>4.</td>
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<td>04</td>
<td>11/6/2018</td>
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<td>CB102</td>
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<td>0</td>
</tr>
<tr>
<td>5.</td>
<td>Not available now</td>
<td>CCT01</td>
<td>05</td>
<td>11/9/2018</td>
<td>9:30-12:30</td>
<td>CB102</td>
<td>24</td>
<td>0</td>
</tr>
<tr>
<td>6.</td>
<td>Not available now</td>
<td>CCT01</td>
<td>06</td>
<td>11/13/2018</td>
<td>9:30-12:30</td>
<td>CB102</td>
<td>24</td>
<td>0</td>
</tr>
</tbody>
</table>

Your registered Lab sessions for reference (Please make sure there is no time conflicts between lab sessions):

<table>
<thead>
<tr>
<th>No.</th>
<th>Course Code</th>
<th>Semester</th>
<th>Course Title</th>
<th>Teacher</th>
<th>Lab</th>
<th>Session</th>
<th>Date (M/D/Y)</th>
<th>Time</th>
<th>Venue</th>
</tr>
</thead>
</table>

HOME
Registered Lab Information

Note:
- To book/view the lab session, please click the link underneath the Lab columns (Lab1-Lab5)

1: courses in 1st Semester
2: courses in 2nd Semester
S: courses in Summer Semester

- Download 2015-16 Sem2 Lab Timetable.
- Please click underlined column title to sort

1) Please click me to view the course information.

2) Student booked Lab Sessions:

<table>
<thead>
<tr>
<th>No.</th>
<th>Action</th>
<th>Student No.</th>
<th>Name</th>
<th>Course Code</th>
<th>Semester (1/2/S)</th>
<th>Course Title</th>
<th>Teacher</th>
<th>Lab</th>
<th>Session</th>
<th>Date (M/D/Y)</th>
<th>Time</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>deadline has past</td>
<td>3035000009</td>
<td>chan tais man (test)</td>
<td>1107/2147</td>
<td>2</td>
<td>Electrical energy technology</td>
<td>Hui R</td>
<td>MI3</td>
<td>05</td>
<td>4/16/2016</td>
<td>9:30</td>
<td>CB102</td>
</tr>
<tr>
<td>2.</td>
<td>deadline has past</td>
<td>3035000009</td>
<td>chan tais man (test)</td>
<td>1107/2147</td>
<td>2</td>
<td>Electrical energy technology</td>
<td>Hui R</td>
<td>MI1</td>
<td>03</td>
<td>4/2/2016</td>
<td>9:30</td>
<td>CB102</td>
</tr>
</tbody>
</table>

3) Please click me to view enrollment information.
**THE UNIVERSITY OF HONG KONG**  
Department of Electrical and Electronic Engineering  
Lab Session booking for 2016-2017

**Note:**

- To book / view the lab session, please click the link underneath the Lab columns (Lab1-Lab5)

<table>
<thead>
<tr>
<th>No.</th>
<th>Course Code</th>
<th>Semester(1/2/S)</th>
<th>Course Title</th>
<th>Student No.</th>
<th>Name,</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1107/2147</td>
<td>2</td>
<td>Electrical energy technology</td>
<td>3035000009</td>
<td>chan tai man (test)</td>
<td>CE</td>
</tr>
</tbody>
</table>

Should you have any computer problems on this page, please contact Mr. Benson via email benson@eee.hku.hk
Check in
Laboratory Sessions

- Go to the correct venue
- Check in with your HKUID card
Submission

- Submitting Laboratory Reports via the Moodle system, Turnitin Assignment:

1. Login HKU Portal at https://hkportal.hku.hk
2. Select My eLearning tab
3. Access your Moodle courses by clicking "Access" link under the column "Moodle course."

Note: Below are the courses that you have registered. If there is no hyperlink, that means the teacher of the course has not yet enabled its corresponding Moodle course for students' access.

<table>
<thead>
<tr>
<th>Course short name</th>
<th>Course full name</th>
<th>Moodle course</th>
<th>Course recorded in Student Information System (SIS)?</th>
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</thead>
<tbody>
<tr>
<td>BU</td>
<td>BU 201</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>BU</td>
<td>BU</td>
<td>Access</td>
<td>No</td>
</tr>
<tr>
<td>BU</td>
<td>Bl</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>CA</td>
<td>CA</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>EC</td>
<td>EC</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>LA*</td>
<td>LA</td>
<td>Access</td>
<td>No</td>
</tr>
<tr>
<td>LL</td>
<td>LL</td>
<td>Access</td>
<td>Yes</td>
</tr>
</tbody>
</table>

- Lab report should be submitted by **2 weeks after the lab**
Lab Grading

• Lab performance (40%)
  – Students will be assessed during the laboratory period according to their performances, attitudes, understandings of the work and experimental results
    • Attend on time
    • Pre-lab works
    • Result records

• Laboratory reports (60%)
  – Students are required to submit reports for each experiment
  – There are two types of format,
    • i.e., formal and informal types
  – *Informal format should be used* unless further requested
Lab Regulations Highlights

Ref: http://www.eee.hku.hk/~ugsnews/lab-material/lab-guidance.htm

• No student may work on experiments unless there is at least one other person in the laboratory.

• Great care should be taken in handling meters and apparatus. A good deal of these apparatuses are of high quality, expensive and difficult to replace. You will be held responsible for any damage resulting from non-observance of the instructions.

• A student presenting himself at a laboratory class late may be subjected to a deduction of marks in that particular experiment/mini-project. Moreover, a student may not be allowed to participate in the experiment/mini-project (unless with strong reasons) if he/she is more than 30 minutes late.

• II.G.3.vi For late submitted reports, 5% of total marks is deducted for each day late. Any late submitted report for more than 1 weeks will receive no marks.
Lab Regulations Highlights

Ref: http://www.eee.hku.hk/~ugsnews/lab-material/lab-guidance.htm

• Please be aware “plagiarism” is strictly prohibited and every student should finish their report by themselves. Even student with the same group should be expected to finish the report individually and identical report should not be submitted even for the same group.

• Any student should not share the hardcopy or softcopy of a lab report or assignment, by email, by placing the related files in computers that may be accessible by others, or by any other means.

• If plagiarism is discovered, ALL students involved will have their marks set to zero on that submission.

• The consequence could be significant for it could lead to failing of the practical work (PW) component of a course, which leads to failing of the entire course.

• The final result of the associated course will be downgraded by one large grade.
## Important Date

<table>
<thead>
<tr>
<th>Sign-in system open in 9:00-17:00 for Mon-Fri (Select Zoom or face to face)</th>
<th>Proposed Date</th>
<th>Week</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9 Sept – 15 Sept</td>
<td>2\textsuperscript{nd} – 3\textsuperscript{rd}</td>
</tr>
<tr>
<td>Open for 24 hours for all days Select the session</td>
<td>16 Sept – 25 Sept</td>
<td>3\textsuperscript{rd} – 4\textsuperscript{th}</td>
</tr>
<tr>
<td>Lab session starts</td>
<td>Oct – 21 Nov</td>
<td>6\textsuperscript{th} – 12\textsuperscript{st}</td>
</tr>
</tbody>
</table>

**Noted:**
- The lab sign-in system is served based on the first-come-first-serve basis
- The link of the lab sign-in system will be posted in the course Moodle.
- Submission of report by **2 weeks** after the lab is done
Safety “Matters”

Prof. Anthony H W Choi
Safety Coordinator
Chow Yei Ching Building, Room 716
Phone: 3917-2693
Email: hwchoi@eee.hku.hk
WE do NOT want to be one of them!!
Safety “Matters”

In any event, safety comes first!

How to define safety?
- Nothing is absolutely safe!
- Risk judgment: a thing is safe if its risks are judged to be acceptable

How to assess risk?
- Risk = probability of occurrence × consequence of occurrence

Always assess the risk when doing something new!
- For example, without the supervision of a qualified and trustworthy personnel (e.g., a technician or a lab supervisor), the risk of performing any potentially hazardous action is HIGH.
Common Sense Safety Precautions

- MUST follow technicians’ guidances while working in laboratories
- NEVER perform unauthorized experiments
- NEVER try to repair any machines yourselves
- NEVER perform experimental work ALONE in a laboratory
- BEWARE of electric shock—treat all circuits as “alive” all the time
- ALWAYS earth any electric machines/circuits
- NEVER use any electronic device (e.g., cell phone) when you suspect there is a gas leak
- NEVER touch any unknown chemicals
- ENSURE a tidy work place even when you are working in a computer lab
- ALWAYS be sure to locate fire exits

Details about safety: http://www.eee.hku.hk/InternallInformation/index.html
In Important Notice, click HKUEEE Safety Notes.
Fire Assembly Point

Chow Yei Ching Building
周亦卿樓

Pavement Near Hillside of Jockey Club Tower
賽馬會教學樓對出山邊行人路

## Fire Assembly Point

<table>
<thead>
<tr>
<th>Composite Building</th>
<th>Haking Wong Building (3/F to LG/F)</th>
<th>Yam Pak Building</th>
</tr>
</thead>
<tbody>
<tr>
<td>綜合樓</td>
<td>黃克競樓 (3/F – LG/F)</td>
<td>任白樓</td>
</tr>
<tr>
<td>Haking Wong Building 4/F Podium (Near the Pillar of Shame)</td>
<td>Podium of Kadoorie Biological Sciences Building</td>
<td>Outside G/F Entrance</td>
</tr>
<tr>
<td>黃克競四樓平台 (近國殤之柱)</td>
<td>嘉道理生物科學大樓地下平台</td>
<td>地下入口外面</td>
</tr>
</tbody>
</table>

![Composite Building Image]

![Haking Wong Building Image]

![Yam Pak Building Image]
First-Aid Certificate Holders:

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
<th>Phone</th>
<th>Other Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Thomas T.O. Kwan</td>
<td>CB-LG301A</td>
<td>2859-2694</td>
<td><a href="mailto:tokwan@eee.hku.hk">tokwan@eee.hku.hk</a></td>
</tr>
<tr>
<td>Mr. Michael, C.W. Chan</td>
<td>CB-LG301</td>
<td>2859-2694</td>
<td><a href="mailto:mchancw@eee.hku.hk">mchancw@eee.hku.hk</a></td>
</tr>
</tbody>
</table>

Fire Wardens:

<table>
<thead>
<tr>
<th>Floor</th>
<th>Name</th>
<th>Office</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG3</td>
<td>Mr. Michael, C.W. Chan</td>
<td>LG301</td>
<td>2859-2694</td>
</tr>
<tr>
<td>LG2</td>
<td>Mr. Wong Sui Wang</td>
<td>LG205</td>
<td>2859-7089, 2859-2694</td>
</tr>
<tr>
<td>1/F</td>
<td>Dr. Gary C.C. Leung</td>
<td>102</td>
<td>2859-2729, 2857-8413</td>
</tr>
<tr>
<td>1/F</td>
<td>Mr. Andy W.M. Fok</td>
<td>103</td>
<td>2859-2695</td>
</tr>
<tr>
<td>2/F</td>
<td>Mr. Garfield Lam Ching Lung</td>
<td>LG301</td>
<td>2859-2694</td>
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<tr>
<td>5/F</td>
<td>Mr. Thomas T.O. Kwan</td>
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</tr>
<tr>
<td>5/F</td>
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<td>505</td>
<td>2859-2691</td>
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<tr>
<td>6/F</td>
<td>Mr. Ray C.W. Lam</td>
<td>615</td>
<td>2859-2695</td>
</tr>
<tr>
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<td>Miss Lily L.Y. Lo</td>
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<td>2857-7093</td>
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<tr>
<td>7/F</td>
<td>Dr. N. Wong</td>
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<tr>
<td>7/F</td>
<td>Mr. James L.C. Koo</td>
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<td>2859-8418</td>
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<tr>
<td>8/F</td>
<td>Mr. Eric W.L. Ng</td>
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<tr>
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<td>Mr. Jackie C.W. Cheung</td>
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<td>2859-2695</td>
</tr>
<tr>
<td>4/F</td>
<td>Mr. Dickey, C.W. Ma</td>
<td>404</td>
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</tr>
<tr>
<td>3/F</td>
<td>Mr. Raymond S.C. Ho</td>
<td>304</td>
<td>2859-2687</td>
</tr>
</tbody>
</table>

Posted in the each EEE labs
Want to learn/know more?

- Browse the departmental safety homepage:
  - go to HKUEEE homepage
  - click “Safety and Emergency”
- Home page of Hong Kong Occupational Safety and Health Association
- University Safety Office
- Labour Department

Details about safety: http://www.eee.hku.hk/InternallInformation/index.html
In Important Notice, click HKUEEE Safety Notes.
Any Uncertainty, please contact us

Anthony H W Choi
Safety Coordinator
chchoy@eee.hku.hk
Phone: 3917-2693
(CB Room 716)

Thomas Kwan
Technical Manager,
First aid support
tokwan@eee.hku.hk
Phone: 3917-2694
(CB Room LG301)

Michael C.W. Chan
Support for handling
Chemical materials
mchancw@eee.hku.hk
Phone: 3917-2694
CYC Room LG301
Class Representative

- Member of the Staff-Student Consultative Committee (SSCC)
- 2 formal meetings per year (Sem 1: September; Sem 2: February)
- 2 informal meetings per semester (Sem 1: October, November; Sem 2: March, April)
- Link between teachers and students
- Certificate of appreciation

- **Webpage** [https://elink.eee.hku.hk/class_reps.html](https://elink.eee.hku.hk/class_reps.html)