



UNIVERSITAS UDAYANA

Academic Book 2019

UDAYANA UNIVERSITY
FACULTY OF ENGINEERING
TROPICAL ENGINEERING





UDAYANA UNIVERSITY
FACULTY OF ENGINEERING
TROPICAL ENGINEERING
ACADEMIC BOOK 2019

Greeting from Dean Of Engineering Faculty



I am pleased to welcome our international students to the Faculty of Engineering, Udayana University. Since its birth in 1965, our faculty has grown in scale and academic attributes. Currently, we have five different undergraduates programs, including those majoring in Architecture, Civil Engineering, Electrical Engineering, Mechanical Engineering, and Information Technology. These undergraduates programs have delivered four unique master programs, reflecting the nature and dynamic of learning each program has. Furthermore, our Faculty also offers a Doctoral Program which embraces rich research studies associated with various disciplines founding both our graduates and master

programs, we also have an International Program of Tropical Engineering (TE). TE has been a melting pot for all departments which exist within the Faculty of Engineering.

I have a great expectation that this Academic Book for the Tropical Engineering Program will meet its purposes, especially for its role as front source of information for the international community to know more about the program. I gratefully thank all team members who made this book possible.

Prof. Ir. Ngakan Putu Gede Suardana, MT., PhD.

Dean of Engineering Faculty, Udayana University.



Foreword Program Head Tropical Engineering

Tropical Engineering is one among many international programs available within Udayana University. It is a cross disciplinary program that has been running since 2012. Previously, it had been recognised as Tropical living. The Program has progressed from a single focus on architecture into those of engineering, sport & physiotherapy. At present, the Tropical Engineering program offers five different courses that reflect disciplines related to Architecture and its sources; Civil Engineering; Electrical Engineering, Mechanical Engineering, and now including Sports and Physiotherapy. While the latest program has been established as a collaborative effort between Engineering and the Medical Faculty of Udayana University, the origin of the other four programs reflects the four departments existing under the umbrella of the Engineering Faculty of Udayana University. This does not include the Department of Technology and Information which has not yet delivered its international program.

Being an academic driven program, Tropical Engineering was established to provide a medium for learning and sharing knowledge in the chosen field of study. The program is however designed for a large objective than merely academic learning. It provides its international participants with opportunities to experience and understand the nature, culture and practices of the culture within which tropical living take place. On top of academic and practical objectives, we believe that recreation plays an important part in learning. Given the fact that the Tropical Engineering Program is situated in the island of Bali, where culture and nature are integral part of Balinese people's daily life, there objectives are pursued within the Balinese context as well as Indonesia and Southeast Asia to a large circumstance. The program therefore can be taken by international participants, who either are in need of academic credit points to complete their existing study at various university, or simply to enrich their experince of living overseas.



I therefore take this opportunity to welcome all international participants to join us in sharing, gaining, and revealing the great number of attractive experiences Bali has to offer, as well as those in the adjacent Indonesian Archipelago. We look forward to welcoming both new students and all interested parties in supporting the formation of an international Tropical Engineering community.

Gusti Ayu Made Suartika, ST., MengSc., PhD.
Program Head of Tropical Engineering

STUDY ABROAD PROGRAM TROPICAL ENGINEERING

What you need to know

Originated from Department of Architecture, Tropical Engineering has now accepted wider disciplines by having teaching collaboration within Mechanical, Civil, and Electrical Department from the Faculty of Engineering. Recently it continues expanding the collaboration with Sport, School of Physiotherapy and other Faculty members within Udayana University. Although most study activities are organized by Unud, however at least 25% of the teaching materials /human resources involved other university partners such as excursions, academic workshop, job trainings, cultural engaged, guest lecturing, visit to professionals. This is necessary in order to achieve the rich teaching materials, to be engaged with national and international sources outside university

Philosophy& Objectives

Courses in Tropical Engineering have been run every semester since early 2012, the Program offers 1 semester course, researches, summer courses, individual research or workshops. It also provides students opportunities to take internship and job trainings in prestigious professionals or workplaces related to your studies.

Students from all over the world will have the opportunity to experience the exotic tropical living in Bali, learn in an exciting new way and explore the beautiful architecture of the tropics, great hospitality of the locales and unique Balinese Culture. Tropical Engineering provides variety of academic modules, which fit the student's needs and study background. To complete the course student must meet the study requirements of 75% study attendance or research consultation.

Although the programs are designed to attain academic credit, students are encouraged to use the opportunities by exploring the challenges of living in Bali. In addition to Credit earning of 30 ECTS, the main objectives of this Study Abroad Program are:

- Enhance student employability soft skills: through the weekly study excursions/ outdoor activities, social & cultural activities and project groups
- Improve student's global knowledge in local setting : particularly about Indonesia and Asia in an international and inspiring atmosphere
- Develop emotional intelligence and character traits
- Enhance the ability to communicate, perceive friendliness, professionalism, and problem solving skills.
- Through the internship programs: become an investment to your future, a bridge to gain practical knowledge about your fields

- Learn something about yourself: offers experiences which benefits all aspects of life: networking, cultural differences, a lifetime friendships
- Tropical living in Bali: a unique semester in a paradise island

Who is Eligible?

- Students, from any kind of university's backgrounds including from Architecture, Building Construction, Engineering, Sports, Arts & Industrial Design and Hotel Management.
- Students from 4th semester or 3rd academic year are more suitable for the course.
- Professionals who wish to enhance their expertise and at the same time to challenge the tropical living in Bali.

Assessment & Marking

Students must meet all assessment criteria to be eligible for the final markings. The criteria includes:

- Minimum of 75% of the class attendance. Student must sign the attendance list every time participating in the class/excursions.
- Submit all required assignments
- Attend mid and final exam
- Show active participation and ability in soft skills

Each subject applies different proportion of assessment components, for your reference, the following is general proportion of assessment components:

- Class attendance and active participation : 10%
- Small Assignments : 30%
- Major Assignment / Paper Presentation/ Mid Exam : 25%
- Major Assignment /Final Exam : 25%
- Soft Skills & Academic Excursions : 10%

Exam Week and Revision

One week final exam takes place after the 12 weeks of study. The final written test is carried out for two days at the end of the course. A sixty minutes are located for each subject and has to be written independently by each student. Some subjects do not require exams for their class. To replace the exams, Lecturers will give specific student project or major assignment to be submitted during the Exam Week. In the case of no assignment submissions, students will automatically earn zero credit for this portion.

There will be a week revision time after the exam, allocated for those who are willing to fix their missing/late assignments. Students must personally contact and consult their issue with the teaching staff or their professor.

Grading System and Conversion

The following table shows the grading structure applied by joint program with European Universities.

| Grade Description | | Grading | | | ECTS | |
|---------------------|-------|--------------|--------------|----------|----------|---------------------|
| Note | Scale | Interval (%) | Band | Value | Grade | Description |
| Very Good | 1 | 95-100 | A+ | 4 | A | Excellent |
| | 1.3 | 90-94 | A | 4 | | |
| Good | 1.7 | 85-89 | A- | 3.7 | B+ | Very Good |
| | 2 | 80-84 | B+ | 3.3 | | |
| | 2.3 | 75-79 | B | 3 | | |
| Satisfactory | 2.7 | 70-74 | B- | 2.7 | B | Good |
| | 3 | 65-69 | C+ | 2.3 | | |
| | 3.3 | 60-64 | C* | 2 | | |
| Sufficient | 3.7 | 55-59 | C- | 1.7 | C+ | Satisfactory |
| | 4 | 51-54 | D | 1.7 | | |
| Insufficient | 4.3 | 46-50 | D | 1 | C | Sufficient |
| | 4.7 | 40-45 | D- | 0 | | |
| | | 5 | 35-39 | F | 0 | F |

Criteria for Soft Skills

Tropical Engineering program requires student to develop their soft skills in balancing their academic traits. Student's personal attributes to interact effectively and harmoniously with the others will be partially included in the assessment criteria.

In addition to the mark collected from your excursions report, the following is the example for soft skills criteria of a Student Project assessment:

C Grade

- Demonstrate active listening skills in the class and on excursions
- Show an awareness of the different cultural setting in Bali in your dress, manner and interaction with others.
- Present your work in clear, concise and well structured manner
- Behave in a courteous and respectful way
- Manage tasks and your time effectively
- Attend classes regularly and be punctual (minimum 75% attendance)
- Attend excursions and actively participate
- Demonstrate the ability to cope with change and adjust to unforeseen events

C Grade cont.

- Define the research question
- Demonstrate a structured approach to the research
- Show evidence of data research
- Provide a conclusion

In addition to the above criteria, to achieve a B grade (70 – 84 marks) you also need to:

B Grade

- Show evidence of a well structured approach
- Fully define the research topic
- Provide a literature review
- Provide examples
- Show that you have analyzed the data

In addition to the above criteria, to achieve an A grade (85 – 100 marks) you also need to:

A Grade

- Provide an extremely well structured report
- Use excellent layout and graphics
- Provide an extensive literature review
- Show evidence of comprehensive data gathering and analysis
- Provide numerous examples and details
- Give a well constructed conclusion
- Complete the task in the given time

Class Rules

- Students have to wear appropriate clothes at all times in campus. No sandals/slippers, t-shirts, no short pants are allowed. Female students are not allowed to wear mini-skirt, no navel-free, no spaghetti top (shoulders should be covered).
- Students must be in the class at least 5 minutes before class start.
- Smoking is allowed only outside the building in smoking area.
- Physical attendance has to be at least 75% from all classes and all subjects.
- In case of illness the student has to inform the secretariat (for more than 2 days of sickness, a doctor certificate must be enclosed).
- During lecture, it is forbidden to disturb the class at any reasons (e.g. no DVD watching, no chatting - please show respect to Indonesian lecturer).
- During lecture it is only allowed to leave the classroom upon agreement with the lecturer.
- Drinks are allowed in classroom as long as it doesn't disturb the teaching process.
- There is possibility that a teaching staff is not able to come for some reasons. In this case, the lecture will be adjourned to another day based on agreement between the students and teaching staff.

Certificates

At the end of the program, students who satisfactorily complete all course requirements will be awarded certificates as follows:

- A certificate stating that the student has attended the course for fully 12 weeks.
- An Academic Transcript showing the student performance on the program. The grades in the transcript are the final marks.
- A certificate stating that the student has participated in the workshop or certain academic excursions (on request).

Course Timetable

(please find your course timetable in the Appendix)

The length of lectures and tutorials is maximum 2 hours, conducted every week. While Architecture Studio and Individual Research are given maximum 4 hours a week, academic excursions are offered every Thursday either for half day or last for full day.

The lectures are held from Monday to Wednesday including guest lecturing. Although most of the guest lecturers are invited by the Program, students may also invite at least two guest lecturers who are competence in specific field, such as expatriates who are dealing with architecture or real estate. The guest lecturer session is allocated in one and a half hours a week.

Important Dates:

- Academic calendar : 31 August 2019 - 12 December 2019
- Welcoming Dinner : Saturday, 31 August 2019
- Orientation day : Monday, 2 September 2019
- Teaching period : 2 September 2019 - 21 November 2019
- Semester break : 21 October 2019 - 1 November 2019
- Exam week : 25-29 November 2019
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- Final mark submission : 6 December 2019
- Farewell : 12 December 2019

Weekly Excursions

An academic excursion is organized once a week, i.e every Thursday. The weekly excursions are the integral part of your study abroad program at Udayana University. Although there is no specific amount of credit points offered, your participation during the excursions are essential. Most of the visits are strongly related to the modules you are taking.

In addition to the visits for academic purposes, students are encouraged to join other visits of excursions to explore the local culture, traditional settlements, architecture of Bali and objects with historical and cultural values. The minimum workload of three hours is allocated for academic excursion.

Compulsory Excursion Report

At the end of every excursion, students must make a report paper (minimum 3 pages) to be submitted to the class coordinator. The report must include the description of activities, your critical review on the topics, to be related to your study background and recommendation.

IMPORTANT: Students are encouraged to make the excursions paper every week, however only two excursion reports are compulsory to be submitted, out of 10 visits. Make sure that the chosen reports are related to your study interests. Your mark from these paper will influence until 10% of the final assessment of all subjects.

Tentative Excursions Timetable:

| DATE | | | | | |
|------------------|---|---|--|---|---|
| September | City Tour: Denpasar as Cultural City: Puputan Renon Park (Bajra Sandhi Monument), Jagatnatha Temple, Bali Museum. OBLIGATORY! | Outdoor Sketching: Tropical Living students and local 1 st year students of Architecture OBLIGATORY! | Bali Green Surf; Beach Sport & Social Activities | 1-day Tour: Penglipuran Balinese Settlement, Taman Nusa (Cultural Park, consist of replicate many traditional houses) OBLIGATORY! | Yoga Class at Pranava Yoga, Canggu |
| October | 1 Day Bamboo Tour and Bamboo Workshop at PT. Bamboo Pure & Sharma Springs/Green Village OBLIGATORY! | Finn's Beach Club Canggu (Penjor Bali Mandiri) & Villa Alagren , Berawa OBLIGATORY! | Ceremonial Workshop: Introduction to local materials, which are used for building constructions, street decoration, offerings and for other daily | Semester Break | |
| November | Semester Break | Visit to Studio Architect Popo Danes OBLIGATORY! | Visit POPODANES Projects OBLIGATORY! | Batik Painting Workshop: a traditional technique of wax - applied to whole cloth | |
| December | Examination Week | | | | |

MODULES

The followings are descriptions of modules offered in Tropical Engineering Program:

| | |
|-------------------|--------------------------|
| ARCHITECTURE | SPORTS AND PHYSIOTHERAPY |
| CIVIL ENGINEERING | MECHANICAL ENGINEERING |

ARCHITECTURE

Academic Schedule

September-December 2019

ARCHITECTURE PROGRAM

| Day | Time | Subject (UoC) | Classroom | Team teaching |
|---------------------|-------------|---|--------------------------|--|
| Monday | 09:00-11:00 | Southeast Asia Architecture (5 UoC) | RD 2.2 Building D, Lvl 2 | Ir. I G. N. Anom Rajendra, MSc., PhD Prof. Dr. Ir. Putu Rumawan Salain, MSi Dr. Eng. I Wayan Kastawan, ST., MA |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Resort & Hospitality (5 UoC) | RD 2.2 Building D, Lvl 2 | Ni Ketut Agusinta Dewi ST., MT., PhD. Dr. Ni Made Yudiantini, ST., MSc G. Ayu M. Suartika, PhD |
| Tuesday | 09:00-11:00 | Tropical Home (5 UoC) | RD 2.2 Building D, Lvl 2 | Ir. Ciptadi Trimarianto, PhD Dr. I D. G. Agung Diasana Putra ST., MT Prof. Alexander R. Cuthbert |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Interior Architecture (5 UoC) | RD 2.2 Building D, Lvl 2 | Dr. Tri Anggraini P., ST., MT., MURP Ni Made Wina Satria, ST., MT Ratih Putu Salain, ST., MT |
| Wednesday | 09:00-10:00 | Bahasa Indonesia (2 UoC) | RD 2.2 Building D, Lvl 2 | G. Ayu M. Suartika, PhD Ni M. Swanendri, ST., MT |
| | 10:00-11:15 | Break | Secretariat | TE Secretariat |
| | 10:15-13:15 | Studio Architecture (8 UoC) | RD 2.2 Building D, Lvl 2 | Antonius Karel M., ST., MT., PhD Dr. Ir. Ni Ketut Ayu Siwalatri, MT Dosen/reviewer tamu |
| Thursday/ Friday | Tba | Excursion (2 UoC) | Tba | Dr. Tri Anggraini P., ST., MT., MURP Ir. A. Agung G. Djaja Bharuna S., MT Ni M. Wina Satria, ST., MT Sari (SiB) |

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PLEASE NOTES:

- 75% attendance is a must to acquire a final mark for all subjects.
- Please dress adequately, no slippers, no short, and no bare shoulder top.
- No smoking inside the building please.
- Please restrain yourself from accessing smartphone and other electronic gadgets during lecture.

FOR QUERIES:

- Ibu GAM, Head of the Tropical Engineering (TE) : +62 89685501932
- Ibu Anggi, Coordinator of TE-Architecture : +62 81298700673
- Ibu Sita, Coordinator of TE-Sport & Physiotherapy : +62 89670690631
- Bapak Aris, Coordinator of TE-Electrical Eng. : +62 85739734747
- Bapak Gatot, Coordinator of TE- Mechanical Eng. : +62 81337102458
- Bapak Adi Susila, Coordinator of TE-Civil Eng. : +62 81246917357
- Edi from Tropical Engineering. : +62 87761460370
- Risna from the Study in Bali (SiB). : +62 82144097555
- Tropical Engineering Office telephone no. : +62 361 4743130
- Tropical Engineering Program's email : tropicalengineering@unud.ac.id

ARCHITECTURE LECTURER

| | |
|---------|--|
| Name | : Prof. Dr. Ir. Putu Rumawan Salain, MSi. |
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| | |



| | |
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| Name | : I Wayan Yuda Manik, ST., MT. |
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| Email | : yuda_manik@yahoo.co.id |
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| Name | : Ni Luh Putu Eka Pebriyanti, ST., MSc. |
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CIVIL ENGINEERING

Academic Schedule

September-December 2019

CIVIL ENGINEERING PROGRAM

| Day | Time | Subject (UoC) | Classroom | Team teaching |
|---------------------|-------------|---|-----------------------------|--|
| Monday | 09:00-11:00 | Renewable Energy (5 UoC) | RC 2.2 Building C, Lvl 2 | Prof. I N. S. Winaya, ST., MAsC., PhD. Prof.Ir. I. A. D. Giriantari, MEngSc., PhD Dr.Eng. Made Sucipta, ST., MT. |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Earthquake Science & Engineering (5 UoC) | RC 2.2 Building C, Lvl 2 | I Ketut Sudarsana, ST., Ph.D Ir. Ida Ayu Made Budiwati, MSc., Ph.D I Gede Adi Susila, ST., MSc., PhD |
| Tuesday | 09:00-11:00 | Student Project (5 UoC) | RC 2.2 Building C, Lvl 2 | Dr. Ir. Yenny Ciawi And Team |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Bahasa Indonesia & Indonesian Culture (5 UoC) | RC 2.3 Building C, Lvl 2 | Team |
| Wednesday | 09:00-11:00 | Urban Transportation (5 UoC) | RC 2.2 Building C, Lvl 2 | Prof. P. Alit Suthanaya, ST.,MEngSc.,PhD Prof. Ir. I N. Arya Thanaya, ME.,PhD D.M. PriyanthaWedagama, ST.,MT.,MSc.,PhD |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Natural Materials (5 UoC) | RC 2.2 Building C, Lvl 2 | Prof. Ir. I N. Arya Thanaya,ME.,PhD Yoga Divayana, PhD I D. G. Ary Subagia, ST.,MT., PhD |
| Thursday/ Friday | Tba | Excursion (2 UoC) | Tba | Ni Luh Putu Eka Pebriyanti, ST., MSc Kadek Agus Surya Darma,ST., MT Ni Made Mitha Mahastuti, ST., MT Sari (SiB) |

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MECHANICAL ENGINEERING

Academic Schedule

September-December 2019

ELECTRICAL & MECHANICAL ENGINEERING PROGRAM

| Day | Time | Subject (UoC) | Classroom | Team teaching |
|---------------------|-------------|---|-----------------------------|---|
| Monday | 09:00-11:00 | Renewable Energy (5 UoC) | RC 2.2 Building C, Lvl 2 | Prof. I Nyoman Suprapta Winaya, ST, MAsc., PhD. Prof.Ir. I. A. D. Giriantari, MEngSc., PhD Dr.Eng. Made Sucipta, ST, MT. |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Student Project (5 UoC) | RC 2.1 Building C, Lvl 2 | I D. G. Ary Subagia, ST., MT., PhD Wayan G. Ariastina, ST., MEngSc., PhD |
| Tuesday | 09:00-11:00 | Manufacturing Process (5 UoC) | RC 2.1 Building C, Lvl 2 | Dr. Eng. I M. Gatot Karohika, ST., MT Dr. Ir. I Ketut Gede Sugita, MT |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Bahasa Indonesia & Indonesian Culture (5 UoC) | RC 2.3 Building C, Lvl 2 | Team MK Umum |
| Wednesday | 09:00-11:00 | Industrial Technology (5 UoC) | RC 2.1 Building C, Lvl 2 | Ir. Linawati, MEngSc., PhD Ni Made Ary Esta Dewi Wirastuti, ST., MSc., PhD Dr. D.M. Wiharta, ST., MT. Komang Oka Saputra, ST., MT., PhD |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Natural Materials (5 UoC) | RC 2.2 Building C, Lvl 2 | Prof. Ir. I N. Arya Thanaya, ME., PhD Yoga Divayana, PhD I D. G. Ary Subagia, ST., MT., PhD |
| Thursday/ Friday | Tba | Excursion (2 UoC) | Tba | Ni Luh Putu Eka Pebriyanti, ST., MSc Kadek Agus Surya Darma, ST., MT Ni Made Mitha Mahastuti, ST., MT Sari (SiB) |

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- Please restrain yourself from accessing smartphone and other electronic gadgets during lecture.

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- Bapak Adi Susila, Coordinator of TE-Civil Eng. : +62 81246917357
- Edi from Tropical Engineering. : +62 87761460370
- Risna from the Study in Bali (SiB). : +62 82144097555
- Tropical Engineering Office telephone no. : +62 361 4743130
- Tropical Engineering Program's email : tropicalengineering@unud.ac.id

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SPORTS AND PHYSIOTHERAPY

Academic Schedule

September-December 2019

SPORTS AND PHYSIOTHERAPY PROGRAM

| Day | Time | Subject (UoC) | Classroom | Team teaching |
|---------------------|---------------|--|-----------------------------|--|
| Monday | 09:00-11:00 | Sports Science (5 UoC) | RC 2.3 Building C, Lvl 2 | M. Widnyana, Sft., Mfis M. Hendra Satria Nugraha, Sft, MFis Dr. Ni Wayan Tianing, S.Si, M.Kes |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Sports of the Tropics (5UoC) | RC 2.3 Building C, Lvl 2 | Putu Ayu Sita Saraswati, SPt., MFis M. Widnyana, Sft., Mfis M. Hendra Satria Nugraha, Sft, MFis S. Aryantari Putri Thanaya, S.Ft., M.Sc. A.A. Gede Angga Puspa Negara Dr. Ngakan Ketut Acwin D., ST., MA Dr. Ir. Yenny Ciawi |
| Tuesday | 09:00-11:00 | Physical Health & Fitness (5 UoC) | RC 2.3 Building C, Lvl 2 | Gede Parta Kinandana, SPT M. Hendra Satria Nugraha, Sft, MFis S. Aryantari Putri Thanaya, S.Ft., M.Sc. |
| | 11:00-11:15 | Break | Secretariat | TE Secretariat |
| | 11:15-13:15 | Bahasa Indonesia and Indonesia Culture (5 UoC) | RC 2.2 Building C, Lvl 2 | G. Ayu M. Suartika, PhD Ni Made Swanendri, ST., MT Riri Kertiyasa, MART |
| | tba | Physical Health & Fitness (5 UoC) | tba | Gede Parta Kinandana M. Hendra Satria Nugraha, Sft, MFis Sayu Aryantari Putri Thanaya |
| Wednesdays | 09:00-onwards | Water Sports (8 UoC) | tba | Gede Windu Laskara, ST.,MT Kadek Edi Saputra, ST, MT |
| Thursday/ Friday | tba | Excursion (2 UoC) | tba | Gede Windu Laskara, ST.,MT Kadek Edi Saputra, ST, MT |

IMPORTANT DATES:

- Academic calendar : 31 August 2019 - 12 December 2019
- Welcoming Dinner : Saturday, 31 August 2019
- Orientation day : Monday, 2 September 2019
- Teaching period : 2 September 2019 - 21 November 2019

- Semester break : 21 October 2019 - 1 November 2019
- Exam week : 25-29 November 2019
- Remedy : 2-5 December 2019
- Final mark submission : 6 December 2019
- Farewell : 12 December 2019

PLEASE NOTES:

- 75% attendance is a must to acquire a final mark for all subjects.
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DR. Ni Wayan Tianing, S.Si., M.Kes



Putu Gde Surya Adhitya, S.FT., M.Fis



Gede Parta Kinandana, S.FT



Coord of Modul:
Putu Ayu Sita Saraswati, S.FT

TROPICAL ENGINEERING STRUCTURE ORGANIZATION



Program Head of Tropical Engineering
Gusti Ayu Made Suartika, ST., MengSc., PhD



Academic Staff
Kadek Edi Saputra, ST., M.Ars



Financial Staff
Kadek Nopa Surya Adi Hartawan, S.Kom


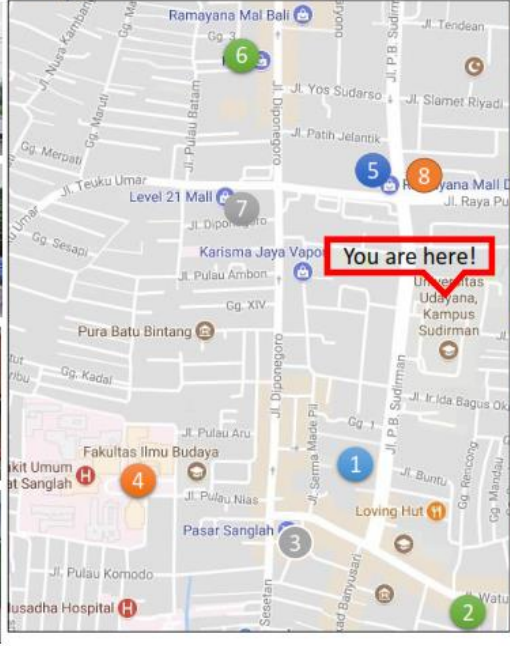





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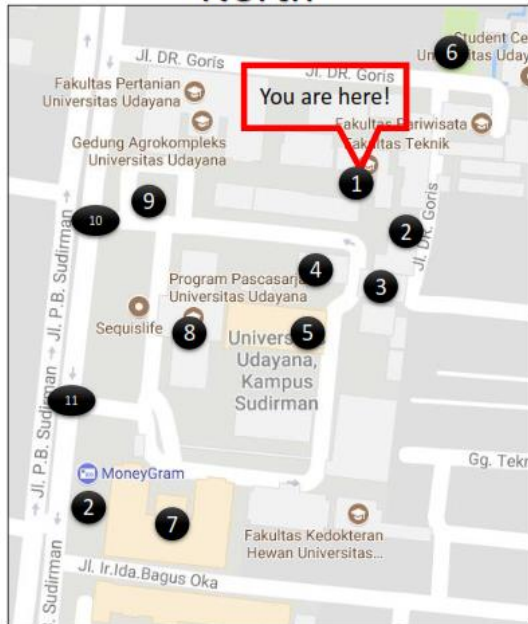
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Bali – Indonesia
+62 361 4743130
+62 87 761460370
tropicalengineering@unud.ac.id

ATTACHMENT

Facilities Outside Campus North

| | | | |
|--|---|--|--|
| <p>5. McD and KFC (fast food) Jl. Dewi Sartika, Denpasar</p> |  |  | <p>1. Bank (BNI Bank) Jl. P.B. Sudirman No.28 · (0361) 246063</p> |
| <p>6. Computer Centre Jl. Diponegoro No.136, Dauh Puri Klod, Denpasar</p> |  | | <p>2. Eka Print (Printing, Fotocopy, etc) Jl. Waturenggong No.64</p> |
| <p>7. Level 21 Mall & Bioscope Jl. Diponegoro No.136, Dauh Puri Klod, Denpasar</p> |  | | <p>3. Traditional Market Jl. Diponegoro, Dauh Puri Klod, Denpasar</p> |
| <p>8 Food Court Jl. Panglima Besar Sudirman</p> |  | | <p>4 Sanglah Hospital Jalan Diponegoro, Dauh Puri Klod, Denpasar Barat</p> |

North



Facilities inside Udayana University

- | |
|--|
| 1. Tropical Engineering Office and Students Parking Area |
| 2. Food Court |
| 3. Physiotherapy Program |
| 4. Wifi UNUD Area |
| 5. Mini market |
| 6. Tennis Area |
| 7. Faculty of Doctor |
| 8. Post Graduate Programs and Library |
| 9. ATM |
| 10. Exit Gate |
| 11. Entrance Gate |



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