



TROPICAL ARCHITECTURE INTERIOR & GREEN DESIGN

COURSE DESCRIPTION

TROPICAL ARCHITECTURE, INTERIOR & GREEN DESIGN

Bali is one of the most popular travel destinations in the world, blessed with a unique blend of artful, traditional and modern architecture, and also Western influences. The hotel and villa architecture is characterized by buildings that harmoniously combine eastern and western design concepts to give an adorable outward appearance. The 15-week program "Tropical Architecture, Interior & Green Design" at the Institut Desain & Bisnis Bali (IDB Bali) is designed exclusively as a semester abroad for international students and graduates. The program offers deep insights into the "indoor-outdoor-living" in the tropics, resort & hospitality architecture, the art and craft of furniture design as well as sustainable building with natural materials. The participants will work on innovative design concepts, and will also discover the unique architecture of Indonesia in lectures, guest lectures, weekly excursions, and workshops.

STRUCTURE

The course will inspire and involve participants with an intensive daily combination of lectures and discussions, excursions, workshops, cultural visits, and hands-on actions. Direct interaction with observations and interpretations of leading examples will help students to develop their own project ideas. All credits from the modules in this program are transferable to the European Credit Transfer System and other credit systems.

MODULES

1. Tropical Interior & SEA Architecture (5 ECTS)
2. Furniture Design (5 ECTS)
3. Natural Materials & Green Design (5 ECTS)
4. Architectural Sketching & Illustration (5 ECTS)
5. Indonesian Language & Culture of Bali (2 ECTS)
6. Design Project/Studio: Villa, Resort & Hospitality Design (8 ECTS)

EXCURSIONS & WORKSHOPS (tentative)

- Balinese Traditional Village Visits
- Industry/Manufacture Visits
- Resort & Villa Visits
- City Heritage Explores
- Architecture and/or Interior Studio Visits
- Balinese Art & Culture Workshops/Activities
- Surfing
- Green Village & Bamboo Factory Visit
- Watercolor Workshop
- Social Activities

TROPICAL INTERIOR & GREEN ARCHITECTURE

ELIGIBILITY

Bachelor students as well as master students in the fields of Architecture, Interior Architecture and related faculties are eligible to join the study abroad programme. Professionals are also welcome to participate in this course.

ADMISSION REQUIREMENTS

All classes are held in English, so participants will be required to have a fluent understanding of the English language.

The program will not take any responsibility for the students' choice of a course level that is not suitable to their background and skills.

GRADING AND CURRICULUM

Academic systems differ from country to country. In Indonesia, tertiary education is administered directly under the Ministry of Higher Education & Research. The full semester study abroad program does not grant a degree, but the courses provide students a maximum of 30 credit points (ECTS). For the full amount of 30 ECTS students have to participate in class, academic excursions/workshops and student's project.

CREDIT POINTS

Each module's credits are transferable to the European Credits Transfer System (ECTS) and other credit systems. If students want to have their subjects credited at home universities, we suggest having the course pre-approved by the home institution's exchange coordinator, academic advisor, or a professor. Whoever is in charge of credit transfer should sign a "Learning Agreement" in order to provide a transparent and efficient preparation of the study period abroad and to ensure that the student will receive recognition for the educational components successfully completed abroad.

ASSESSMENT & MARKING

Students have to meet all assessment criteria to be eligible for the final markings. The criteria include:

- Minimum of 85% of the class, workshop and excursion attendance. (Students have to sign the attendance list every time participating in class/excursions.)
- Submit all required assignments
- Attend exam
- Show active participation and ability in soft skills

TROPICAL INTERIOR & GREEN ARCHITECTURE

CERTIFICATES

Students will receive their official certificates from IDB Bali personally at the farewell. At the end of the program, students who satisfactorily have completed all course requirements will be awarded with certificates as follows:

- A certificate stating that the student has attended the 15-weeks course.
- 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).

MODULES

1. TROPICAL INTERIOR & SEA ARCHITECTURE

Lecturing Team:	I Gede Arista, S.T., M.M., I.A.I. & Ni Kadek Yuni Utami, S.T., M.Ds.
Time:	Weekly
Duration:	120 – 150 h
Credit Point:	5 CP
Department:	Interior Design Department
Location:	Institut Desain & Bisnis Bali (IDB Bali) Campus

DESCRIPTION

This course provides an overview of Tropical Interior and Southeast Asian Architecture with the scope of interior design, architecture and landscape comprehensively and integrated. Southeast Asian Architecture, particularly Balinese culture, has generated a unique socio-culture adopting indigenous concepts and philosophies and generating contemporary architecture and built environment - as can be illustrated from residential to commercial buildings. This course includes knowledge about the ongoing Southeast Asian & Balinese contemporary design principles and living spaces.

LEARNING OBJECTIVES

Participants will gain a depth understanding of Tropical Interior and Southeast Asian Architecture within traditional socio-culture approaches. This course also will enrich students' knowledge about the ongoing Balinese contemporary design principles and living spaces.

ASSESSMENT

- a. Student project: resort and hospitality design that integrates interior, architecture, and landscape (including site selection and observation that will be used as a project site)
- b. Assignments:
 1. case study of Interior Design, Southeast Asian Architecture and built environment (based on period, region, type of building, etc.): identify and analyze (report and presentation)
 2. the development of Balinese contemporary interior architecture and built environment (residential and commercial building): identify and analyze the transformation (report and presentation)
 3. re-design residential or commercial building using Balinese principle design and philosophies approaches: site analyze, design transformation, and design illustration (design report and presentation)
- c. Excursion: Balinese traditional house(s) or palace(s), resort(s) and villa(s), and another range of commercial building(s)
- d. Lecturing: class lecturing (Southeast Asian, including Balinese) socio-culture, Balinese design principles and philosophies; local regulation, case studies, etc.), FGD/seminar
- e. Assessment indicators:
 1. Active participation (attendance not less than 85%)

2. 25% from first assignment (group)
3. 30% from second assignment of student project presentation (individual)
4. 45% from final assignment of design project (individual)

2. FURNITURE DESIGN

Lecturing Team:	Putu Surya Triana Dewi, S.T., M.Ds. & Kadek Risna Puspita Giri, S.T., M.T
Time:	Weekly
Duration:	120 – 150 h
Credit Point:	5 CP
Department:	Interior Design Department
Location:	Institut Desain & Bisnis Bali (IDB Bali) Campus

DESCRIPTION

This course provides an overview of Balinese traditional design principles and philosophies in furniture design, and the influence of Balinese contemporary architecture and interior design towards furniture design types, variations of materials, details and constructions. Students will get an opportunity to visit furniture manufacture(s) and workshop(s), also will have first-hand experience practically.

LEARNING OBJECTIVES

Students understand the implementation of Balinese traditional design principles and philosophies in furniture design, and the furniture design developments and manufactures in Bali, as well as direct experience in making furniture product.

ASSESSMENT

Assessment:

- a. Student's project: design a set of furniture integrated with student's project/studio
- b. Assignments:
 1. classification of Balinese furniture design (based on period, function, material, etc.): identification and analyze the similarities and differences (report and presentation)
 2. furniture design and manufacture (excursion): identification and analyze the similarities and differences (report and presentation)
 3. furniture design and detail integrated with Tropical Interior Architecture assignment: design transformation, detail and construction (design report and presentation)
- c. Excursion: traditional and/or contemporary furniture manufacture(s)
- d. Lecturing: lecture class, FGD/seminar
- e. Assessment indicators:
 1. Active participation (attendance not less than 85%)
 2. 30 % from first assignment (group)
 3. 30 % from second assignment of student project presentation (group)
 4. 40 % from final assignment of design project (individual)

3. NATURAL MATERIALS & GREEN DESIGN

Lecturing Team:	Marthyn Gunardi, S.T., M.T. & Dion Eko Prihandono, S.T., M.Sc.
Time:	Weekly
Duration:	120 – 150 h
Credit Point:	5 CP
Department:	Interior Design Department
Location:	Institut Desain & Bisnis Bali (IDB Bali) Campus

DESCRIPTION

This course focuses to the variation of natural materials, textures, colors, and how it will be implemented into a tropical architecture and interior design. Material selection will be considered on the green design principles to support sustainable development purposes. Participants also will gain comprehensive knowledge through visiting a local bamboo manufacture and engage in practical workshops.

LEARNING OBJECTIVES

Participants will gain a broad understanding of local natural materials such as bamboo and wood, as well as the practice of material related tropical sustainability.

ASSESSMENT

- a. Student project: select natural materials that consider the green design aspect in Tropical Architecture & Interior Design
- b. Assignments:
 1. classification of natural materials that support green design and sustainable development purposes: identify and analyze (report and presentation)
 2. material development and manufacturing (excursion): identify and analyze (report and presentation)
 3. implement some natural materials that are considered green design and integrate with student project assignment: design transformation, detail, and construction (design report and presentation)
- c. Excursion: local manufacture(s)
- d. Lecturing: class lecturing, FGD/seminar
- e. Assessment indicators:
 1. Active participation (attendance not less than 85%)
 2. 30% from first assignment (individual)
 3. 30% from second assignment of student project presentation (group)
 4. 40% from final assignment of design project (individual)

4. ARCHITECTURAL SKETCHING & ILLUSTRATION

Lecturing Team:	I Putu Gede Suyoga, S.T., M.Si. & Kadek Angga Dwi Astina, S.Ds., M.Sn., ACP
Time:	Weekly
Duration:	120 – 150 h
Credit Point:	5 CP
Department:	Interior Design Department
Location:	Institut Desain & Bisnis Bali (IDB Bali) Campus

DESCRIPTION

This course covers the theories and techniques of architectural sketching and illustration, and the Balinese style of sketching and design. In addition to manual sketching, this course covers digital sketching software (Adobe Photoshop and Adobe Illustrator), 3D modeling, and animation fundamentals.

LEARNING OBJECTIVES

Participants will understand the theory and techniques of sketching, especially in the Balinese art style. Participants will learn digital sketching & illustration basics.

ASSESSMENT

- a. Student project: students develop their project idea using architectural sketch and digital illustration
- a. Assignments:
 - 1. The line strokes quality
 - 2. The implementation of figures – Ground senses in the rendering way
 - 3. The implementation of material, color, and textures in final rendering
- f. Excursion outdoor sketching in Balinese Traditional Village(s) or City(s) Heritage
- g. Lecturing: class lecturing, outdoor sketching
- h. Assessment indicators:
 - 1. Active participation (attendance not less than 85%)
 - 2. 30% from first assignment (individual)
 - 3. 30% from second assignment of student project presentation (group)
 - 4. 40% from final assignment of design project (individual)

5. INDONESIAN LANGUAGE & CULTURE OF BALI

Lecturing Team:	Dr. I Nengah Laba
Time:	Weekly
Duration:	50 – 60 h
Credit Point:	2 CP
Department:	Interior Design Department
Location:	Institut Desain & Bisnis Bali (IDB Bali) Campus

DESCRIPTION

This course provides broad, basic knowledge about daily life in Bali. This study of life in Bali is based on a study of Balinese culture and communication, including the structure of Balinese and Indonesian language.

LEARNING OBJECTIVES

Participants will gain a broad understanding of daily life in Bali, and familiarity with Balinese culture, religion and spiritualism, society, language, and the cultural role design plays in Bali.

CONTENTS

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| 1 | <ul style="list-style-type: none"> • Indonesian greetings • Self-introduction • Family members |
| 2 | <ul style="list-style-type: none"> • Indonesian alphabet • Indonesian numbers |
| 3 | <ul style="list-style-type: none"> • Indonesian pronouns • Simple sentences |
| 4 | <ul style="list-style-type: none"> • Indonesian text • Questions |
| 5 | <ul style="list-style-type: none"> • Vocabularies • Word game |
| 6 | <ul style="list-style-type: none"> • Positive, negative, & interrogative statements |
| 7 | REVIEW |
| 8 | MIDTERM TEST (120 min. written test) |
| 9 | <ul style="list-style-type: none"> • Holidays • Future tense |

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| 10 | <ul style="list-style-type: none">• Colours• Human characters |
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| 11 | <ul style="list-style-type: none">• Exercise on rearranging colours and characters |
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| 12 | <ul style="list-style-type: none">• Dialogue |
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| 13 | <ul style="list-style-type: none">• Making requests• Imperatives |
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| 14 | <ul style="list-style-type: none">• Indonesian verbs |
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| 15 | REVIEW
FINAL TEST (120 min. written/oral) |
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ASSESSMENT

1. Active participation (attendance not less than 85%)
2. 30% from short assignment (individual)
3. 35% from middle examination (individual)
4. 35% from final examination (individual)

6. STUDENT PROJECT: VILLA, RESORT & HOSPITALITY DESIGN

Lecturing Team:	Dr. Ngakan Ketut Acwin Dwijendra, S.T., M.A. & team
Time:	Weekly
Duration:	220-240 h
Credit Point:	8 CP
Department:	Interior Design Department
Location:	Institut Desain & Bisnis Bali (IDB Bali) Campus

DESCRIPTION

Students will learn the basics of Villa, Resort & Hospitality Design in tropical countries, including types of resorts, their designs, facilities, concepts, programming and case studies that deal with the unique nature of resort, villa & hospitality. The course also examines the overall trends and impact of 'themed' concepts on resort design and technological change and, finally, the issue of ecological-friendly green architecture.

TOPIC

Based on this students will focus their studio projects on Villa, Resort and Hospitality Design in a tropical country and integrate the knowledge of the 4 Modules Tropical Interior & SEA Architecture, Furniture Design, Natural Materials & Green Design, Architectural Sketching & Illustration into their designs. The goal is to combine the aspects of local wisdom, tropical climate respect and green design with western design principles to meet ideal East-West harmony in Villa, Resort & Hospitality design.

Based on student's course level the task will be to design either a Tropical Villa or Resort, (Restaurant or Shop).

MATERIAL AND GRAPHIC

The project presentations will include sketches, drawings, diagrams, and other visual material including computational aids to verify each concept or idea. The Studio is meant to challenge the students' perception of their built environment. In the last 2 weeks of the Studio, students will work together creating three-dimensional animations.

DESIGN PROCESS

During the first 3 weeks, students will learn the basics of Tropical Resort & Hospitality design and are required to explore several themes before settling on one single idea or concept. The idea is to be self-critical, so that each student may observe and understand his/her own design process. Supervisors and tutors will be available for weekly consultation, but it is possible to meet the tutors more frequently (by appointment).

Programming steps to be discussed in the studio include (but are not limited to):

- Programming
- Design Development
- Design details

TIME LINE

Week 1: Project launch & Villa, Resort & Hospitality Design input

Week 2: Villa, Resort & Hospitality Design input

Week 3: Villa, Resort & Hospitality Design input & Programming I: the use and capacity

Week 4: Site inspection

Week 6: Programming II: Site analyses, design philosophy, and concepts

Week 8: Architectural designs

Week 10: Perspectives and rendering (3D)

Week 12: A3-size portfolio

Week 14: Submissions and presentations

ASSESSMENT

a. A3 Size portfolio consists of:

1. Process in designing /programming: the use, activities, sites, capacity, etc.
2. Transformation concepts: ideas, philosophy, analyses
3. Architectural designs: floor plans, elevations, sections, principal details
4. 3D perspectives (renderings): interior and exterior perspectives
5. 1 page (A3-size) portfolio demonstrating the whole process of designing

b. active participation (no less than 85%)