



TROPICAL INTERIOR & GREEN ARCHITECTURE

COURSE DESCRIPTION

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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 Interior & Green Architecture" at the Sekolah Tinggi Desain Bali (STDBali) 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, 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.

PURPOSE AND ACADEMIC APPROACH

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.

STRUCTURE

The program includes theoretical courses, workshops, weekly excursions, project designs, case studies, guest lectures and social activities. All credits from the modules in this program are transferable to the European Credit Transfer System and other credit systems.

MODULES

1. Tropical Interior 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 (8 ECTS)

EXCURSIONS & WORKSHOPS (tentative)

1. Traditional Activity
2. Taman Nusa & Penglipuran Village
3. Traditional Interior Accessories
4. Surfing
5. Green Village & Bamboo Factory Visit
6. Bamboo Construction Workshop
7. Watercolour workshop
8. Garuda Wisnu Kencana
9. Denpasar Heritage
10. Architect Studio Visit: Popo Danes

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ELIGIBILITY

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

IMPORTANT ISSUES

- Application deadline: 15 February (Summer Class); 15 July (Winter Class)
- Summer Class: April – July; Winter Class: September – December
- Study Fees: 1,950 Euros
- The study fees cover lectures, workshops, visa extension services, welcoming and farewell dinner, weekly academic and cultural excursions, daily coffee + snack refreshments, and other student services.
- The study fees EXCLUDE living costs, accommodation, travel costs, visa, insurance and transportation.

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. 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

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CERTIFICATES

Students will receive their official certificates from STD 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 ARCHITECTURE: INTRODUCTION

Lecturing Team: Putu Surya Triana Dewi, S.T., M.Ds.

Time: Weekly

Duration: 120 – 150 h

Credit Point: 5 CP

Department: Interior Design Department

Location: Sekolah Tinggi Desain Bali

DESCRIPTION

This course provides an overview of Balinese tropical interior architecture with the scope of interior design, building architectural, and landscape architectural comprehensively and integrated. The Balinese have generated their unique socio-culture with approached of indigenous concepts and philosophies that there emerged a contemporary architecture and built environment illustrated from residential to commercial building.

LEARNING OBJECTIVES

Participants will gain an in depth-understanding of tropical interior architecture and built environment within traditional Balinese socio-culture approaches. This course also will enrich students' knowledge about the ongoing Balinese contemporary design principles and living spaces.

ASSESSMENT

- a. Student project: residential and/or commercial Balinese tropical design that integrated interior, building architectural, and landscape (include site selection and observation that will be used as a project site)
- b. Assignments:
 1. comparative study of Balinese traditional interior 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 and palace, resort and villa, and another range of commercial building
- d. Lecturing: class lecturing (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 75%)
 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: A.A. Tugus Hadi Iswara A.M., S.Sn., M.Sn.

Time: Weekly

Duration: 120 – 150 h

Credit Point: 5 CP

Department: Interior Design Department

Location: Sekolah Tinggi Desain Bali

DESCRIPTION

This course provides an overview of furniture design as one of the interior design elements. Balinese contemporary architecture and interior design has affected the development of furniture design type, variation of materials, and detail and construction, as well as design principles and philosophies. Participants will get an opportunity to visit a furniture manufacture and workshop as they also will have practical first-hand experience.

LEARNING OBJECTIVES

Participants will gain a depth-understanding of furniture design development and manufacturing in Bali, as well as direct experience in making furniture product.

ASSESSMENT

- a. Student project: designing a set of furniture as a complementary feature in Tropical Interior Architecture
- b. Assignments:
 1. classification of Balinese furniture design (based on period, function, material, etc.): identify and analyze (report and presentation)
 2. furniture design and manufacturing (excursion): identify and analyze (report and presentation)
 3. furniture design and detail integrated with Tropical Interior Architecture assignment: design transformation and detail and construction (design report and presentation)
- c. Excursion: traditional and contemporary furniture manufacture
- d. Lecturing: class lecturing, FGD/seminar
- e. Assessment indicators:
 1. Active participation (attendance not less than 75%)
 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: Ni Kadek Yuni Utami, S.T., M.Ds.

Time: Weekly

Duration: 120 – 150 h

Credit Point: 5 CP

Department: Interior Design Department

Location: Sekolah Tinggi Desain Bali

DESCRIPTION

This course focuses to the variation of natural materials, textures, colors, and how it will be implemented into a tropical interior architecture 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 Interior Architecture
- 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 integrated with Tropical Interior Architecture assignment: design transformation, detail, and construction (design report and presentation)
- c. Excursion: local manufacture
- d. Lecturing: class lecturing, FGD/seminar
- e. Assessment indicators:
 1. Active participation (attendance not less than 75%)
 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 Kadek Sosiawan, S.Sn., Ngurah Gede Dwi Mahadipta, S.T., M.T.

Time: Weekly

Duration: 120 – 150 h

Credit Point: 5 CP

Department: Interior Design Department

Location: Sekolah Tinggi Desain Bali

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 basics.

ASSESSMENT

- a. Student project: student develop their project idea with architectural sketching, with improvement in digitalization with sketching software.
- b. 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 Taman Nusa and Penglipuran Village or sketching in Denpasar Heritage
- g. Lecturing: class lecturing, outdoor sketching
- h. Assessment indicators:
 1. Active participation (attendance not less than 75%)
 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: I Putu Gede Suyoga, S.T., M.Si.

Time: Weekly

Duration: 50 – 60 h

Credit Point: 2 CP

Department: Interior Design Department

Location: Sekolah Tinggi Desain Bali

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 75%)
2. 30% from short assignment (individual)
3. 35% from middle examination (individual)
4. 35% from final examination (individual)

6. STUDENT PROJECT/STUDIO

Lecturing Team: I.B. Gede Parama Putra, S.T., M.Arch. & I Dewa Gede Putra, S.T., M.T.

Time: Weekly

Duration: 220-240 h

Credit Point: 8 CP

Department: Interior Design Department

Location: Sekolah Tinggi Desain Bali

TOPIC

The topic of student project is about building functions that are needed in tropical climates. Type of function may vary between residential building or commercial building, and the variation between those functions. The type of student project can be different for each year. Students must design their project with local wisdom and tropical climate in mind, and consider culture, green design, and natural materials to form West meet East in harmony.

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 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):

- Functional programming
- Spatial programming
- Architectural programming
- Design Development
- Design details

TIME LINE

Week 1: Project launch

Week 2: 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

OUTPUT

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, principle details
4. 3D perspectives (renderings): interior and exterior perspectives
5. 1-page (A3-size) portfolio demonstrating the whole process of designing