



# SOUTHEAST ASIAN ARCHITECTURE

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**COURSE DESCRIPTION**

## Southeast Asian Architecture

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The 15-week program «Southeast Asian Architecture» at Universitas Udayana Bali is designed as a study abroad program and gives deep insights into the unique building culture of Southeast Asia – from a simple Balinese house to an exotic villa or a luxury beach resort. The emphasis is on comparing western and tropical construction design and making connections between styles, in order to achieve new harmonies in modern architecture. Besides the practical work on projects, there will be theoretical courses taught in English, covering interior design, hotel architecture and the architectural history of Southeast Asia. During lectures, field trips, and workshops, students will learn how harmonize traditional shapes, natural materials and Western demands. The international course is offered every semester; all subjects are credited into European Credit Transfer System (ECTS). The amount of credits to be earned each semester is max. 30 ECTS.

### MODULES

1. Southeast Asian Vernacular Architecture (5 ECTS)
2. Resort & Hospitality Design (5 ECTS)
3. Interior Architecture (5 ECTS)
4. Tropical Home (5 ECTS)
5. Studio Project (8 ECTS)
6. Bahasa Indonesia – Indonesian Language (2 ECTS)

### EXCURSIONS & WORKSHOPS (tentative)

- Denpasar City Tour
- Outdoor Sketching/Watercolor Workshop
- Surfing at Bali Green Surf School
- Penglipuran, Traditional Balinese Village
- Taman Nusa Cultural Park
- Yoga Class at Pranava Yoga
- Bamboo Tour at PT. Bamboo Pure & Green Village
- Model Making and Bamboo Construction Workshop at Green Village
- Ceremonial Workshop
- Architecture Tour: Finn's Beach Club & Villa Alagren
- Visit to Studio Architect Popo Danes
- Visit to Resort & Villa in Ubud

### ELIGIBILITY

Bachelor students from the 2nd year of study and master students in the fields of Architecture, Interior Architecture, Landscaping, Urban Planning and related faculties are eligible to join the study abroad program. Also Professionals are welcome to participate.

### IMPORTANT ISSUES

- Application deadline: 15 February (Summer Class); 15 June (Winter Class)
- Summer Class: April – July; Winter Class: September – December
- Study Fees: 1,850 Euros to be paid by the latest on: 1st March (Summer Class); 1st July (Winter Class)
- The study fees cover lectures, workshops, welcoming dinner, weekly academic and cultural excursions, , airport pickup, daily coffee + snack refreshments and other student services.
- The study fees EXCLUDE living costs, visa costs, accommodation, travel costs and transportation

## Southeast Asian Architecture

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### ASSESSMENT & MARKING

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

- Minimum of 75% 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

### 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, which are transferable to home universities. For the full amount of 30 ECTS Students have to participate in class, case studies, guest lectures, academic excursions/site visits and student's project.

An attendance of at least 75% is a prerequisite for admission to the exams. An absence of more than 3 weeks at a time leads to a deregistration. Compulsory attendance starts from the first day of orientation week.

### WEEKLY EXCURSION

An academic excursion is organized once a week, i.e. every Thursday/Friday. The weekly excursions are the integral part of the study abroad program at Udayana University. Participation during the excursion is essential and also included in the 75 % attendance.

At the end of every excursion, students will be asked to submit a report paper to the class coordinator. The report must include the description of activities, a critical review on the topics related to study background and recommendation. Two excursion reports are compulsory to be submitted. The mark from these paper will influence until 10% of the final assessment of all subjects.

### CERTIFICATES

Students will receive their official certificates from Udayana University personally at the farewell event or in digital form approximately 4 weeks after the final exams by email. 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 course for fully 15 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).

## Southeast Asian Architecture

### WORKLOAD

CODE	MODULE	CLASS		CONSULTATION		GUEST LECTURING	WORKSHOP	EXCURSION	SELF STUDY		PAPERS & EXAMINATION	TOTAL WORKLOAD	CREDITS
		WEEKLY	TOTAL	WEEKLY	TOTAL				WEEKLY	TOTAL			
A.01	<b>SEA VERNACULAR ARCHITECTURE</b>	2	24				6	12	5	75	30	148	<b>5</b>
A.02	<b>RESORT &amp; HOSPITALITY DESIGN</b>	2	24			1		20	5	75	30	150	<b>5</b>
A.03	<b>INTERIOR ARCHITECTURE</b>	2	24			2	4	15	5	75	30	150	<b>5</b>
A.04	<b>TROPICAL HOME</b>	2	24			4	4	12	5	75	30	148	<b>5</b>
A.05	<b>STUDIO PROJECT</b>	2	24	2	24	4		8	10	150	32	240	<b>8</b>
BI.01	<b>BAHASA INDONESIA</b>	2	24				4	4	2	30	6	68	<b>2</b>

## 1. Southeast Asian Vernacular Architecture

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Lecturing Team	Dr. Eng. I Wayan Kastawan, ST., MA. Prof. Dr. Ir. Putu Rumawan Salain, Msi. Ir. I Gusti Ngurah Anom Rajendra, MSc., PhD
Time	weekly
Duration	150 hours in total
Credit Points	5 ECTS
Department	Architecture, Faculty of Engineering, University of Udayana
Location	Sudirman Campus

### COURSE DESCRIPTION

Vernacular architecture in Southeast Asia is an endless source of tropical architecture, interior and landscape design, as well as Asian design and lifestyle in general. It is a thriving medieval culture complete with god-kings and ancient philosophical principles that inspire romantic and exotic designs of native bungalows, courtyard houses or religious architecture. Starting from the geographical context, the subject is explained in terms of socio-cultural aspects, cosmology, architectural principles and history. The topics of this subject will include Asian geomancy, vernacular architecture in Indonesia, particularly the traditional settlements in Bali, which includes its philosophy, design principles and typology.

### LEARNING OBJECTIVES

Students are expected to achieve a general understanding of Southeast Asian countries in the context of their social and cultural aspects, particularly with regards to domestic or vernacular architecture and traditional settlements. The course is designed to provide the students with knowledge about ethnic architecture, with special reference to the traditional architecture of Bali.

### ASSESSMENT

Lectures and tutorials, group discussions, academic excursions and assignments.

1. Active participation (no less than 75% attendance)
2. 20% from short assignments (individual)
3. 30% from small project and presentation (group)
4. 50% from final examination (individual)

\*Final test with the condition of 75 % attendance

## 2. RESORT & HOSPITALITY DESIGN

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Lecturing Team	Dr.Ir. N.K.A. Siwalatri, MT. Ni Made Yudiantini, ST., MSc., Ph.D. Ni Ketut Agusintadewi, ST., MT., PhD.
Time	weekly
Duration	150 hours in total
Credit Points	5 ECTS
Department	Architecture, Faculty of Engineering, University of Udayana
Location	Sudirman Campus

### COURSE DESCRIPTION

The course is designed with the fact in mind that Bali is one of the world's best tourist destinations that has attracted many awards for the unique designs of its top hotels and exclusive resorts. The course offers a complete approach to holiday resort architecture and hospitality designs, and gives students the opportunity to experience these personally. Beginning with tourism development, details are presented on types of resorts, their designs, facilities, concepts, programming and case studies that deal with the unique nature of resort designs. 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.

### LEARNING OBJECTIVES

Upon completing this course, students will be able to contribute to the basic design of holiday resorts by means of programming, drawing, conceptual designing and, finally, completing several case studies. Specific objectives are for students to acquire the skills:

1. to identify the character of tropical resort design
2. to describe the differences between a hotel and a resort
3. to understand the management of resort facilities and activities
4. to learn about the influences of Asian philosophy such as Zen on contemporary resorts designs

### ASSESSMENT

Student Project-B (Architecture Studio), indoor and outdoor lectures or tutorials, guest lectures, group discussions, site visits, case studies and small projects.

1. Active participation (no less than 75% attendance)
2. 30% from short assignments (individual)
3. 35% from Student Project presentation (group)
4. 35% from final examination or Student Project presentation (individual)

### 3. INTERIOR ARCHITECTURE

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Lecturing Team	Dr. Tri Anggraini Prajnawrdhi, ST.,MT.,MURP W. Yuda Manik, ST., MT. Ni Luh Putu Eka Pebriyanti, ST., MSc.
Time	weekly
Duration	150 hours in total
Credit Points	5 ECTS
Department	Architecture, Faculty of Engineering, University of Udayana
Location	Sudirman Campus

#### COURSE DESCRIPTION

The course seeks to provide basic knowledge of interior architecture and design in tropical countries, by discussing several interrelated factors and principles underlying indoor spaces: simple building constructions, indoor living, furniture, tropical materials and some decoration influences from modern (tourism) styles. The course will further explore specific styles of Balinese interior design. To meet the aims of the course, cross-cultural approaches and discussion will be used consecutively during the lectures by means of comparison of the 'Eastern' and 'Western' interior design.

#### LEARNING OBJECTIVES

Students are expected to gain some understanding about design concepts of interior spaces and constructions in the tropical climate with major case studies of Indonesia, and Bali in particular. The course will provide the students with basic knowledge of simple drawings and interior designs in the context of cross-cultural differences and concepts of interior spaces and living.

#### ASSESSMENT

Student Assignment (Architecture Studio), indoor and outdoor lectures or tutorials, guest lectures, group discussions, site visits, case studies and small projects.

1. Active participation (no less than 75% attendance)
2. 30% from short assignments (individual)
3. 35% from Student Project presentation (group)
4. 35% from final examination or Student Project presentation (individual)

## 4. TROPICAL HOME

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Lecturing Team	Dr.Ir. Ciptadi T. Dr. I Dewa Gede Agung Diasana Putra, ST.,MT. Prof. Alexander Curthbert
Time	weekly
Duration	150 hours in total
Credit Points	5 ECTS
Department	Architecture, Faculty of Engineering, University of Udayana
Location	Sudirman Campus

### COURSE DESCRIPTION

Tropical home is about exotic house designs, unique interior, distinct tropical architecture and outdoor living. It focuses on the residential design, the people, culture and architecture of Bali, which have been shaped by its geographical position in the tropics. By focusing on the climate factors that influence the designs, one can get a better understanding of tropical living and designs. The course is designed to provide the students with basic knowledge about the mutual interaction between culture and architecture in the tropics. The subject includes climate-sensitive design, tropical residence development and typology, a house called 'home', landscaping, house design and lifestyle. Relevant theories will be discussed in relation to Bali's tropical architecture.

### LEARNING OBJECTIVES

Upon completion of this course, students are expected to be able to design simple tropical houses; to achieve a basic understanding of the design concepts of tropical residences in Southeast Asia's regions such as Indonesia (Bali) and to gain knowledge related to the distinct lifestyle and living in stylish villas, houses, apartments and pavilions. The course is also designed to enhance students' reflectiveness, their critical thinking and multicultural awareness by means of small design projects, discussion, assignments or site visits.

### ASSESSMENT

Student Project (Architecture Studio), indoor and outdoor lectures or tutorials, guest lecturer, group discussions, site visits, case studies.

1. Active participation (no less than 75% attendance)
2. 30% from short assignments (individual)
3. 35% from Student Project presentation (group)
4. 35% from final examination or project presentation (individual)



## 5. STUDIO ARCHITECTURE

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Lecturing Team	Antonius Karel Muktiwibowo, ST., MT., Ph.D. Prof. Alexander Curthbert Dr. Ir. N.K.A. Siwalatri, MT
Time	weekly
Duration	240 hours in total
Credit Points	8 ECTS
Department	Architecture, Faculty of Engineering, University of Udayana
Location	Sudirman Campus

### EAST-MEETS-WEST HARMONY

The student project is the integral part of the 4-subjects course of Tropical Living. The theme of the project will be “East-Meets-West Harmony”. Students will have opportunities to work in real projects with professional architects. It will expose students to ‘learning by experiencing’, extend their understanding beyond theoretical discourse by observing, comparing and finally forming fusion harmony of ideas between living in the West and the tropical living in Bali throughout architectural designs.

### SITE SELECTION

The project site and theme are given, however there are opportunities to join ongoing real projects provided by the lecturers or architects during the excursions (subject to availability, depending on the enrolment period). The project site must be selected from within Denpasar or Badung Regency and in accordance with the Master Plan.

### 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

## TIMELINE

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 presentation

## 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

## 5. BAHASA INDONESIA

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Lecturing Team	Gusti Ayu Made Suartika, ST., MEngSc. ,PhD. M Swanendri, ST., MT
Time	weekly
Duration	60 hours in total
Credit Points	2 ECTS
Department	Architecture, Faculty of Engineering, University of Udayana
Location	Sudirman Campus

### COURSE CONTENT

1. Indonesian greetings, self-introduction, family members
2. Indonesian alphabet, Indonesian numbers
3. Indonesian pronouns
4. Questions & Answers
5. Positive, negative & interrogative statements
6. Dates, Holidays
7. Midterm test
8. Future tense
9. Colours, Exercise on rearranging colours and characters
10. Human characters
11. Shopping dialogue, Making requests
12. Imperatives
13. Text with various inclusive Indonesian verbs

### ASSESSMENT

1. Assignments 20%
2. Project 40%
3. Oral presentation 15%
4. Final exam 25%