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B. ARCH **PROGRAM** 

B. Arch Booklet 2023



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# Message from the **CHAIRMAN**



Honorable chairman & Founder Board of Trustees Daffodil International University

Daffofil International University (DIU) owns the largest green campus amongst private universities in Bangladesh. The department of Architecture gets benifitted by the different setting of the campus and has become a practice ground for real scale projects. The campus offers standard studio classrooms, open terrace, exhibition spaces, double height workshop space well equipped libraries, outdoor classroom facilities etc. Beside physical facilities, DIU is the pioneer of online teaching in our country. For greater student-teacher participation, DIU is practicing the Blended Learning center (BLC) and students are greatly benifited by this technology. Teachers, students and parents are jointly contributing to a better future. The department didn't stop showcasing studio project outcomes even during the pandemic and arranged virtual exhibition. I remember.

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I also urge that, we need to accommodate AI,VR, 3D etc. the printing into that curriculum so our students always get education. up-to-date Showcasing the best projects will generate more innovative ideas among the existing students. I wish the journey be continued.

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DIU is especially known for ICT-based services: academic and administrative services are available online through the Internet. Students, teachers officers regularly and interact for academic and administrative activities through online forums and discussion groups

# Message from the VICE CHANCELLOR



Professor Dr. M. Lutfar Rahman Vice Chancellor Daffodil International University

The mission of the university is to turn out broadly educated and technology oriented graduates capable of making positive contribu-for the development of the nation. The University Grants Commission of Bangladesh rates the university in the top layer in its ranking of private universities. The university imparts quality educations tion through regular classes and laboratory works, seminars, work-shops, industry visits and other co-curricular activities.

# Message from the **DEAN**



Professor D r.M. Shamsul Alam Dean, faculty of Engineering Daffodil International University

Department's two courses have been published in DIU GoEdu platform which indicates faculties' continuous endeavour to sustain in online education. During offline and online semesters the department was active to organize seminars and workshops to enrich students' knowledge beside regular study. They organized several seminars as a collaboration of 'Industry and Academia'. They also invite professional experts in internship viva and jury programs. In the last semesters DoA focused on organizing students' semester-end work exhibitions in both online and offline manner and every arrangement was successful. I hope their endeavor brings desired success.

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Department The of Architecture (DoA) is the most enthusiastic department of the Engineering faculty, which is focused on growing their students self sufficiently. Do/6(s core value is vibrantly visible at the students' work and departmental activities.

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The department of Architecture takes a student on a journey of creativity fulfilling the need of the humanized world. It delivers the learning to make a student self-learner and trigger his/her self-confidence and self-respect.

Message from the **HEAD** 



Professor Khairul Enam Professor and Head Department of Architecture

The department guides a student to overcome the obstacles and become an architect with vision skills and strong determination. For this the department from its inception focuses on Outcome Based Education, whether its theory/ practical. Each semester a number of projects is submitted by the students which is judged by an open jury process with field experts presence

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# About DAFFODIL INTERNATIONAL UNIVERSITY

Daffodil International University (DIU) is recognized in independent government assessments as one of top graded universities in Bangladesh. The university has been founded by Daffodil Group with the

approval of the Ministry of Education under the Private University Act of 1992 and its amendment in

1998 and Daffodil International University came into being on 24th January 2002, the University today combines impressive modern facilities and a dynamic approach to teaching and research with its proud heritage of service and achievement.

The University has paid the highest priority to resource allocation to graduate and post graduate education and for future development of those areas that represent the traditional strengths, quality, reputation, and uniqueness of the institution which continue to effectively respond to the needs of students and other constituents.

Features of the setup vision and mission are striving for excellence, integrity and innovation in every aspect activity; strona collaborative approach; effective open and communications and an inclusive culture based on dignity, and courtesy Daffodil respect. International University`s mission is defined by its IT-based traditions of service and access.



# Faculty of **ENGINEERING**

## UNDERGRADUATE PROGRAMS

Electronics & Telecommunication Engineering

**Textile Engineering** 

Electrical & Electronic Engineering

Architecture

Civil Engineering

## **GRADUATE PROGRAMS**

M.Sc in Electronics & Telecommunication Engineering (ETE)

M.Sc in Textile Engineering





## Department of ARCHITECTURE

An Overview of B. ARCH PROGRAM

Daffodil International University received the UGC approval for the Department of Architecture on 12th February 2013. The department of Architecture initiated the academic program in January 2014 and the 1st batch of students graduated in December 2018. It is moving toward a vibrant environment to become in a leading position in the field of Architecture education in Bangladesh.

The architecture family at DIU is completely different from other departments due to its way of teaching. The sessional classes are termed as 'Design Studio' where each student has a drafting table and locker to work on. Due to the emphasis on sessional courses, students spend most of the time in this studio, which actually becomes their most favorite place. TThe design process is a continuous development of ideas that are not confined during class hours only. Sometimes they stay very late at the studio for their design project under teachers monitoring from time to time.

## Mission

The mission of the department is to cultivate future architects who have sensitivity towards society and environment to make ethical decisions in problem solving and develop alternative solutions. A studio-based holistic culture is advocated to encourage critical thinking and research-oriented learning with integration of theory and practice.

## Vision

The vision of the Department is to develop the professionals, rooted in our cultural ethos, who can contribute to the global community through the spirit of exploration and creative experimentation in shaping the built environment.

## **Objective**

- Developing passion among individuals
- Creating social and cultural awareness
- Generating entrepreneurial attitude
- Experimentation
- Build agility and ethical stand
- Punctuality and spontaneity
- Sensible to the surrounding environment
- Developing dynamic mindset and teamwork



This department is completely different from other departments due to its way of teaching. The sessional classes are termed as 'Design Studio' where each student has a drafting table and locker to work on. Due to emphasis on sessional courses, students spend most of the time in this studio, which actually becomes their most favorite place.

Beside the regular courses the department feel it highly important to get students familiar with other branches of knowledge. So, the department organizes lectures, seminar and workshops on regular basis. The department has inaugurated Lecture series to share ideas and thought with the students. The department is moving toward a vibrant environment to become in a leading position in the field of Architecture education.

Exhibition is an inspiration to the students where the best projects are showcased to the public. The department aims to organize year end exhibition which will project the best ideas of every design studio. This event will become a meeting place of architects and professionals. Students will share their ideas with them as well as stay in touch with the professionals.

## An Overview of **B. ARCH PROGRAM**



## **AREA OF SPECIALITY**

## Basic design sense development

## Basic Design

**Design Appreciation** 

## Design Theory

Ergonomics & Abstract Forms

### Functional Analysis of Space

Space, Form & Function

## Form, Function & Technology

Professional Design

## Interior design and product design

## Craftsmanship

Mechanical Installations in Buildings

Electrical Installations in Buildings

## Specification and Cost Estimation

**Product Drawings** 

## **Architecture and sustainable** development

## Climate Responsive Architecture

**Building and Finish Materials** 

## Construction Details

Green Architecture and Sustainable Development

### Sustainable Architecture

Modern Architecture

### Architectural & Urban Conservation

Contemporary Architecture

Interior Design

## Safety security, building systems, planning and project management

## Environmental Design and Disaster Studies

## Site Analysis and Planning

## Physical Planning Fundamentals

Water Management in Buildings

## Fundamentals of Earthquake Engineering

Fire Conscious Design

### Project Management

Diagnosis of Buildings

## Real Estate Studies

Structure for Architects

**Building Technology** 

## **AREA OF SPECIALITY**

## **Architectural Research (Sound,** acoustics, lighting and others)

## Survey Methods

Luminous Environment in Architecture

## Sonic Environment in Architecture

Special Studies

## Research Method

Dissertation

Thesis

## Arts, aesthetics and graphics

Graphics and Free Hand Drawing

Art Appreciation

Music Appreciation

Sculpture & Model Making

Photography and graphics reproduction

Aesthetics

Philosophy

Documentation (Arch. Graphics)

## Soft skills, 3D modelling and animation

## **Computer Application**

Digital Communication Skill (Photoshop Illustrator )

Computer Aided Graphics & Design (Autocad, Sketch up, Lumio, V - ray)

Sculpture and architectural model making

Urban design, civic space, settlement and landscape

## Urban design studio

Urban Anthropology

## Landscape Design

Community Space design

## Civic Design

Housing & Settlements

Architectural & Urban Conservation

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## Program Structure of

## B. ARCH PROGRAM



The Bachelor of Architecture (B.Arch.) degree under the Department of Architecture at the Faculty of Engineering in the university is a fully accredited (UGC accredited) professional degree similar to one popular all over the world. As per universal architecture accreditation norms, out of 194 credits.

CATAGORY OF COURSES	CREDITS
THEORY COURSES	84
SESSIONAL COURSES	110
TOTAL	194

## **Career Prospects:**

- o Architect
- o Production Designer in Cinema Production
- o Furniture and Product Designer
- o Animator, Gaming and VFX Designer
- o Graphic Designer
- o 3D Visualizer
- o Conservation and Heritage Architect
- o Urban Designer
- o Architectural Historian
- o Interior Designer
- o Landscape Architect
- o Architectural Photographer
- o Project Manager
- o Architectural Researcher



The mission of the program is to aspire individuals to be in a leading position in the field of architecture education through quality teaching, research and creative endeavor. The wider vision is to develop the professionals, rooted in our cultural ethos, who can contribute to the global community through spirit of exploration and creative experimentation in shaping the built environment.

- Well known BUET professors and respected professional architects are attached with program.
- Well-furnished academic environment, exhibition spaces
- Hands on furniture making, construction workshop
- Field Trips related to the academic program is financed by the University.
- 100% employment, opportunity to earn while learning.
- All faculty members are BUET/CUET Graduate
- Attractive waiver policy

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# What our GRADUATES SAY

In my academic life I learned a lot from practical problem solving and different project visit. Nowadays those practical knowledges helping me a lot in my professional life. Employers aren't just interested in degrees these days. They try to look at other ways I can expand myself. They don't just want someone who has spent four years of their life book-bashing. They want someone who can communicate well with people and work hard in a team. My varsity definitely broadens the mind.

I think that a degree helps a person to get on in life. I also think that other things I learned at university.

like independence, are equally helpful. A lot of it depends on hobbies and societies that you get involved

in. I love my university very much and missed my varsity life as well.



Md Ashifur Rahman Project Manager, BHUMIJO Ltd. Former student of Batch 01 Department of Architecture Daffodil International University.

I don't think I am enough successful yet because there is always a lot more in success you know! But as far as I have come today this won't be possible at all without their guidance. I am forever in debt of my faculty members.



Khadiza Tahsin Aishi Member Dept. of Architecture Alumni Association Daffodil International University.

As the first thesis batch of Dept. of Architecture it was hard to improve the skills because of not having any seniors. Our faculty members stepped in about the problem and provided us with their best assists in every aspect of our need.



Sarowar Zahan
Associate Architect
Studio Space Jam
Member
Dept. of Architecture Alumni Association
Daffodil International University.

# ADMISSION REQUIREMENTS FINANCIAL AID & SCHOLARSHIPS

## **Admission Requirements**

## **General Student**

Students having minimum 2.5 GPA both in Secondary School Certificate (SSC) and Higher Secondary Certificate (HSC) 12 class passed Equivalent from Science with minimum "C" grade in Physics, Mathematics and English may apply for admission.

## **English Medium Student**

Students completing five O-level subjects and at least two A-level subjects may apply. Out of these 7 subjects, applicants must have a minimum 4 'B' grade & 3 'C' grade.

## For Diploma Holder:

Students having minimum CGPA 3.00 in SSC with science group and Diploma have to pass from Govt. polytechnic Institute from Civil and Architecture. And No break of study is accepted.

## Financial Aid & Scholarships

Daffodil International University (DIU) offers waiver and scholarship in various categories on the basis of result and conditions. Providing poor and meritorious students financial support, strengthening student's capacity and giving inspiration to their effort to complete higher education uninterruptedly are the main objectives of financial aid and scholarship program of DIU. Yearly Daffodil International University provides waiver and scholarship opportunities to 18,467 students. More details is given on the University website:

- Special waiver facilities for newly admitted students of bachelor of innovation and entrepreneurship program
- Result-based waiver (ssc and hsc/under graduate)
- Waiver on sgpa (academic result of immediate last semester)
- Female quota
- Diu employee/1st blood relatives of diu employee quota
- Daffodil international college (dic quota

# About Our GRADING SYSTEM TRANSPORTATION FACILTIES

# INTERNATIONAL COLLABORATION RANKING & ACHIEVEMENT

A student may earn five-letter grades on the basis of his/her performance of the course. The letter grades A, B, C, and D are considered passing grades and also acceptable to continuing of grades. Grade F is the failing grade. Daffodil International University is maintaining Uniform Grading system as per instruction of University Grants Commission of Bangladesh as follow:

Final grade in each course will be given on the basis on the basis of the performance on class attendance, quiz, assignment presentation, midterm test and final examination

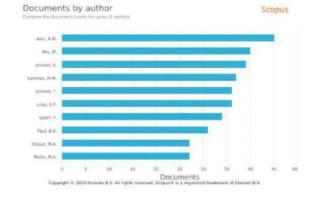
Marks obtained out of 100	Grade	Grade point Equivalent
80% and above	A+	4.00
75% to less than 80%	А	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	В	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	С	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00

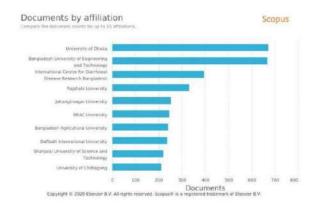
## **Transportation Facilities:**

DIU is always concerned about their students and for this purpose now, We have around 50 + buses which are exclusively used for our students/faculty/admin personnel and staff. A parents Car and an ambulance is also available for the students and their parents. Total transportation system is managed from our Ashulia campus. circumstances or any types of unpleasant situations.

All the transports are moving for the students on different routes and campuses from Ashulia Campus. Students just need to present their ID card for getting this facility. According to the distance they pay a small amount for the transport facility. Every month DIU authorizes to pay some subsidy considering the benefits of the Students/Faculty and Admin people.







## **About Our**

# INTERNATIONAL COLLABORATION RANKING & ACHIEVEMENT

# INTERNATIONAL COLLABORATION RANKING & ACHIEVEMENT



Sanjida Islam Sushmi from the Dept. of Architecture,has achieved ERASMUS+ KA107 fully funded scholarship to study one semester (Summer-2022) at Silesian University of Technology (SUT), Poland.

• The scholarship is covering her tuition, travel, living expenses, insurance etc. for one semester & after completing the exchange program,

- She will be able to transfer the academic credits at DIU along with international certificates & recognition.
- SUT and DIU are partners to ensure different academic exchanges & Erasmus+ exchange scholarship is one key motto for cross border education.



DIU offers a number of awards for excellence of the students for their achievements.

Yamin Mahmud has secured top score from the department and has received certificate from the Education Minister, Government of the People's Republic of Bangladesh

## **FACULTY MEMBERS**

## **FACULTY MEMBERS**



Professor Md. **Khairul Enam** Professor & Head



Rezwan Assistant Professor & Associate Head



Sheikh Muhammad Md. Nazmul Hoque Nayeem Assistant Professor



**Asif Ibne Basit** Turza Lecturer (Senior Scale)



**Ahmed Inzamam** Chowdhury Lecturer



Lamiya Fariha Lecturer



**Shafiul Islam** Lecturer



Md. Galib Nur Anan Lecturer



Afra Anan Saba Lecturer



Md. Nasif Sadman Lecturer

## **ADJUNCT MEMBERS**



Khan Professor (Guest Faculty)

Hamiduzzaman



Assistant Professor & Associate Head



Jahangir Alam Visiting Professor

Engr. A.K.M



Adjunct Faculty



Adjunct Faculty

# Saad Al Islam

Part-time Faculty

## B. Arch **COURSE CURRICULUM**

Credit Hrs

ARCH-102	io/Sessional Courses   Design Studio-I (Basic Design)	0:5
ARCH-108	Computer Application in Digital Documentation	0:3
ARCH-106	Documentation (Arch. Graphics)	0:2
ARCH-100 ARCH-110	Graphics and Free Hand Drawing	0:2
ARCH-110 ARCH-104	Design Studio II: Design Appreciation	0:5
ARCH-104 ARCH-202	Design Studio III (Ergonomics & Abstract Forms)	0:6
ARCH-202 ARCH-206	, ,	0:0
ARCH-208	Photography and Graphic Reproduction	
	Construction Materials and Systems	0:2
ARCH-210	Digital Communication Skill	0:2
ARCH-212	Computer Aided Graphics and Design	0:2
ARCH-204	Design Studio IV: Functional Analysis of Space	0:6
ARCH-302	Design Studio V (Space, Form & Function)	0:7
ARCH-308	Interior Design	0:2
ARCH-306	Working Drawing	0:2
ARCH-318	Craftsmanship	0:2
ARCH-304	Design Studio - VI: Form, Function & Technology	0:7
ARCH-402	Design Studio - VII (Community Space design)	0:8
ARCH-406	Landscape Design	0:2
ARCH-408	Product Drawings	0:2
ARCH-410	Specification and Cost Estimation	0:2
ARCH-412	Special Studies	0:2
ARCH-404	Design Studio VIII: Housing & Settlements	0:8
ARCH-502	Design Studio IX (Professional Design)	0:10
ARCH-500	Internship (Portfolio + Comprehensive) Prerequisite ARCH	S/US+0:2
	304)	
ARCH-504	Program Development and analysis	0:2
ARCH-506	Design Studio -X (Thesis) (Prerequisite ARCH - 504)	0:10
ARCH-510	Dissertation (Prerequisite ARCH - 506)	0:4
	Total Core Sessional Credits	108

Course Title

Course No.

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# B. Arch COURSE CURRICULUM

## **COURSE CURRICULUM**

## Elective Studio/Sessional Courses

HUM-102	Art Appreciation	0:2
HUM-104	Music Appreciation	0:2
HUM-106	Sculpture & Model Making	0:2
	Total Elective SessionaCredits	0:2
	Total Sessional Credits	0:110

Core Theory Courses

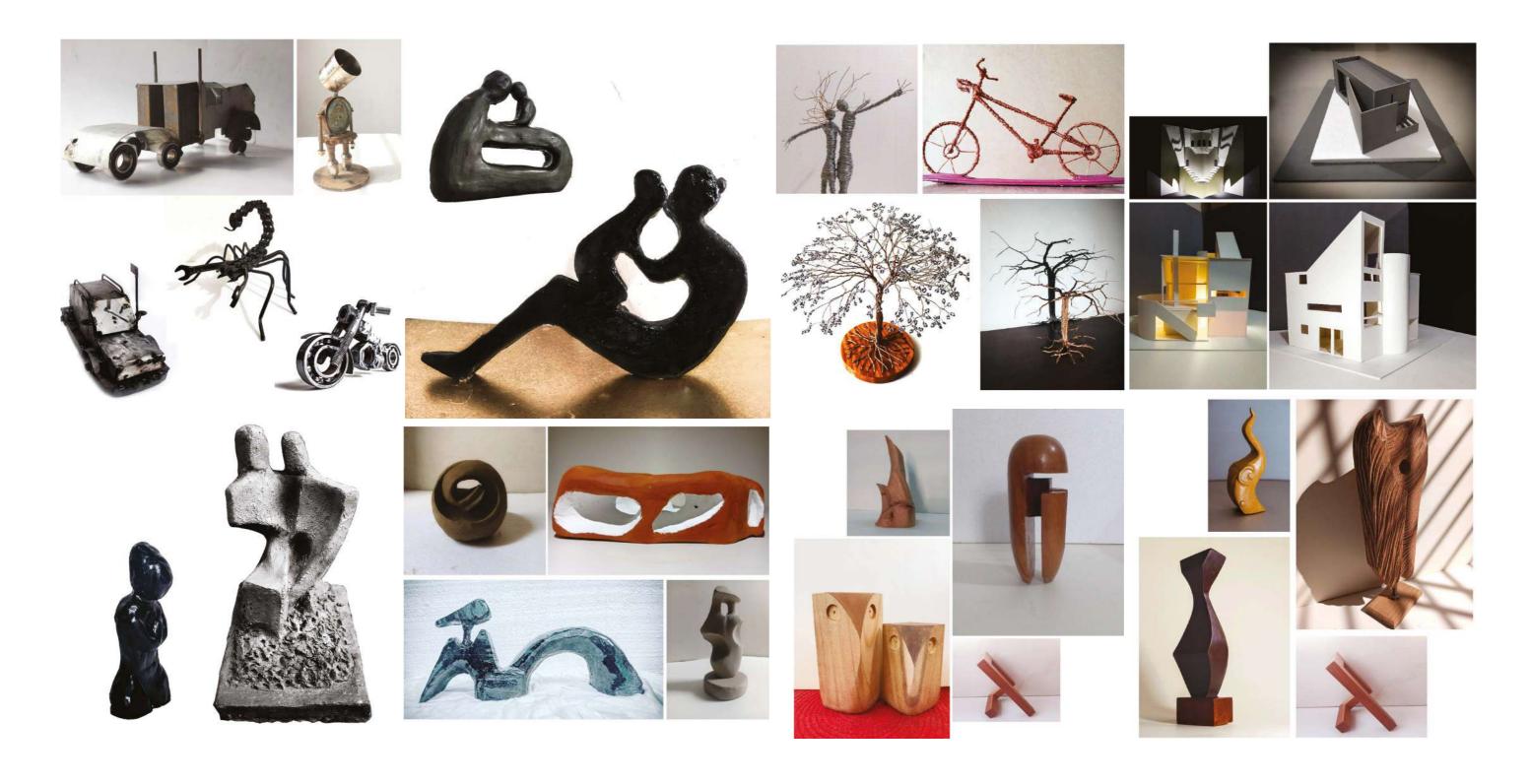
Core Theory Courses			
MATH-101	Mathematics for Architects	2:0	
ENG-101	English Language Skill Development	2:0	
PHY-101	Building Physics	2:0	
ARCH-101	Architecture of Ancient Civilizations	2:0	
ARCH-103	Climate Responsive Architecture	2:0	
AOL-101	Art of Living	2:0	
ARCH-107	Design Theory	2:0	
ARCH-109	Building and Finish Materials	2:0	
ARCH-207	Construction Details	2:0	
GED-222	Bangla Language and Literature	3:0	
ARCH-213	Luminous Environment in Architecture	2:0	
ARCH-205	Architecture of South Asia	2:0	
CE-217	Structure for Architects Mechanics of Solids	2:0	
ARCH-303	Landscape Design	2:0	
ARCH-307	Water Management in Buildings	2:0	
MECH-301	Mechanical Installations in Buildings	2:0	
CE-219	Structure for Architects -II: RCC Design Fundamentals	2:0	
ELECT-301	Electrical Installations in Buildings	2:0	
ARCH-305	Architecture of the Western World	2:0	
ARCH-403	Civic Design	2:0	
ARCH-333	Sonic Environment in Architecture	2:0	
CE-317	Structure for Architects -III: RCC, Steel & Timber Design	2:0	
	Fundamentals		
ARCH-401	Housing	2:0	
ARCH-411	Practice of Civic Design and Planning	2:0	
ARCH-415	Architecture of Bengal	2:0	
GED- 111	History of Emergence of Bangladesh	3:0	
ARCH-405	Modern Architecture	2:0	
ARCH-435	Contemporary Architecture	2:0	
ARCH-509	Professional Practice	2:0	
	Total Core Theory Credits	60:0	

## Elective Theory Courses:

	· · · · · · · · · · · · · · · · · · ·	
HUM-103	Sociology	2:0
ARCH-105	Ecology	2:0
HUM-107	Psychology	2:0
ARCH-201	Aesthetics	2:0
ARCH-209	Survey Method	2:0
ARCH-215	Early Architecture of Western World	2:0

HUM-201	Philosophy	2:0
HUM-207	Logic	2:0
PLAN-211	Physical Planning Fundamentals	2:0
ARCH-211	Green Architecture	2:0
MATH-301	Statistics for Architects	2:0
HUM-301	Urban Anthropology	2:0
GED-302	Employability 360	2:0
ARCH-311	Site Analysis and Planning	2:0
ARCH-313	Sustainable Architecture	2:0
ENV-401	Environmental Design and Disaster Studies	2:0
ARCH-431	Architectural & Urban Conservation	2:0
ARCH-409	Research Method	2:0
ARCH-419	Survey Technique & Analytic Methods	2:0
ARCH-407	Fire Conscious Design	2:0
CE-457	Fundamentals of Earthquake Engineering	2:0
ARCH-501	Real Estate Studies	2:0
MGT-501	Project Management	2:0
ECON-501	Project Economics	2:0
ACC-501	Project Accounting	2:0
CE-319	Structure for Architects -IV: Elements of Buildings	2:0
ARCH-517	Building Technology	2:0
ARCH -537	Diagnosis of Buildings	2:0
	Total Elective Theory Credits	24:0
	Total Theory Credits	84:0
	Total Course Credits (Theory : Sessional)	84:110=194

# Sculpture & Model Making PHOTO GALLERY



# Departmental Activities PHOTO GALLERY



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# Departmental Activities PHOTO GALLERY



## Course : Craftsmanship

## **PHOTO GALLERY**

# Seminar & Workshop PHOTO GALLERY















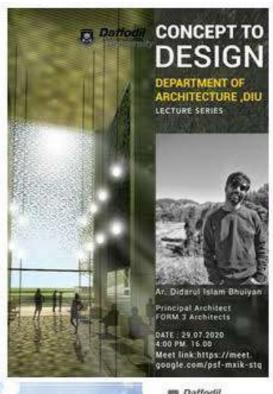


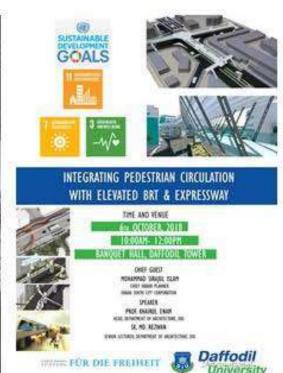
## **PHOTO GALLERY**











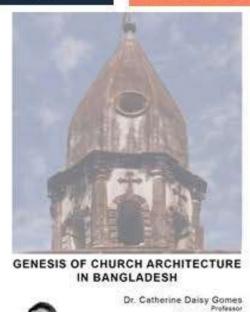


Date: Srb MAT, 2021

Time: 11:45am-12:45pm

This is an internal seminar

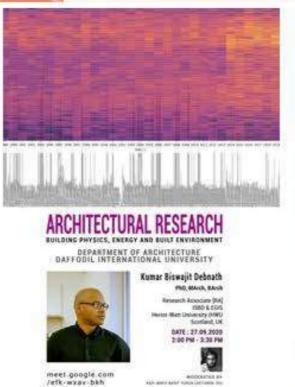
the effectiveness of Design Studio

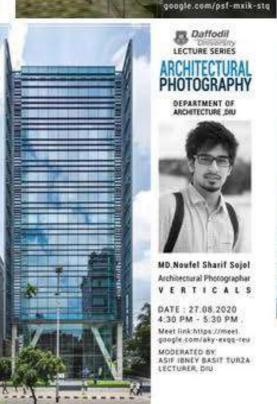


Daffodil

Date: 24.04.2021 Time: 3:00 PM

Moderator Saad-Al-laiam Lecturer Oilu







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# Study Tour PHOTO GALLERY



