

NYU Abu Dhabi's state-of-the-art facilities across nine buildings are designed to promote interaction between the academic disciplines.

The Library has over 60,000 books, historic collections in English and Arabic, and beautiful spaces for group and individual study. The NYUAD Institute's Conference Center brings together distinguished experts to exchange ideas with the community.



The Experimental Research Building (ERB) supports advanced research and cross-disciplinary collaborations in the sciences and engineering, housing labs organized around multidisciplinary areas of research, extensive core facilities, and instructional labs.







The exhibitions at the **Art Gallery** focus on historical and contemporary topics of regional and international significance.



#### NYU Abu Dhabi Curriculum

Courses are available in the following fields of study:

- African studies
- Anthropology
- Applied mathematics
- Arab crossroads studies
- Arab music studies
- Arabic
- Art history
- Art practice
- Art and art history
- Biology
- Chemistry
- Chinese
- Civil engineering
- Computer engineering
- Computer science
- Creative writing
- Design
- Economics
- Electrical engineering
- · Film and new media
- General engineering
- Heritage studies
- History
- Interactive media
- Legal studies

- Literature and creative writing
- Mathematics
- Mechanical engineering
- Music
- Natural science
- Peace studies
- Philosophy
- Physics
- Political science
- Psychology
- Social research and public policy
- Sound and music computing
- · The ancient world
- Environmental studies
- Theater
- Urbanization

Please refer to our course listings for students from <u>Shanghai</u>, <u>Tandon</u>, and <u>GLS</u>.



# **Anthropology**

ANTH-UH 1010 Introduction to Anthropology

ANTH-UH 2114X Listening to Islam

**ANTH-UH 2115** The Anthropology of Forced Migration

# **Art History**

**ARTH-UH 1010** Foundations of Art History I **ARTH-UH 1011** Foundations of Art History II

**ANTH-UH 2116** Displacement and Dispossession in the Modern Middle East

ACS-UH 1010X Anthropology and the Arab World
MUSIC-UH 1005 Anthropology of Music I

**ARTH-UH 1115JX** Islamic Architecture: Formation to Revival

**ARTH-UH 2118X** Contemporary Art and Politics in the Arab World

# ARTS AND HUMANITIES

Examples of courses:

# **English and Creative Writing**

**ACS-UH 1011X** Introduction to Modern Arabic Literature

**LITCW-UH 1001** Foundations of Literature I: Epic and Drama

**LITCW-UH 1002** Foundations of Literature II: Lyric Poetry and the Novel

**LITCW-UH 1000** Literary Interpretation

**LITCW-UH 1101** Rotten Englishes: Postcolonialism and the Politics of Language

**LITCW-UH 3000** Problems and Methods of Literary Studies

LITCW-UH 1003 Introduction to Creative Writing

LITCW-UH 3502 Advanced Creative Writing: A Novel in Fourteen Weeks

**LITCW-UH 3503** Advanced Creative Writing: Nonfiction Essay

**LITCW-UH 3504** Advanced Creative Writing: Workshop in Poetry

**THEAT-UH 1112** Fundamentals of Playwriting

#### Film and New Media

FILMM-UH 1010 Sound, Image, and Story

FILMM-UH 1011 Concepts of Film and New Media

FILMM-UH 1012 Forms of Writing for the Screen

**FILMM 1013X** Understanding MENASA Film and New Media

FILMM-UH 1512 Writing the Short Screenplay

**FILMM-UH 1513** Directing the Non-Actor: Singular Drama

FILMM-UH 1910 Docu-Fiction

FILMM-UH 2510 Intermediate Filmmaking

FILMM-UH 3110 Archives, Methods, Screens

FILMM-UH 4510 Advanced Filmmaking

#### **History**

ACS-UH 1012X Emergence of the Modern Middle Fast

AW-UH 1113X Alexander and the East: Central Asia and the Mediterranean from the Achaemenid Period

**ECON-UH 2451X** Economic History of the Middle East

HIST-UH 1105 Africa in the World

HIST-UH 2010 History and Globalization

HIST-UH 3010 Writing History

HIST-UH 3112 Asia Borderlands

HIST-UH 3319 African American Freedom Struggle
HIST-UH 3710X Central Asia and the Middle East

MUSIC-UH 1004 Music: Histories and

Historiography I

#### **Interactive Media**

ENGR-UH 3720 Computer-Aided Design

IM-UH 1010 Introduction to Interactive Media

IM-UH 1011 Communications Lab

IM-UH 1110 Circuit Breakers!

IM-UH 2113 Machine Lab

IM-UH 2117 Performing Robots

IM-UH 2310 Mashups - Creating with Web APIs

IM-UH 3114 Sensors, Body, & Motion

IM-UH 3312 A.rt I.ntel

VISAR-UH 1013 Foundations of 4D

### **Legal Studies**

**LAW-UH 1010** What is Law? Comparative Global Jurisprudence

LAW-UH 1012 Legal System and Method

**LAW-UH 2110** Punishment in Politics, Law and Society

LAW-UH 2114 Climate Change Law and Policy

**Note:** The course offerings here are only suggestions and vary by semester. Please refer to Albert for the specific semester you are planning to study at NYU Abu Dhabi. Discuss with your academic advisor in New York how specific courses may count towards your degree.

# ARTS AND HUMANITIES

Examples of courses:

LAW-UH 2117 International Business Law

LAW-UH 2121 Renewable Energy Law and Policy

LAW-UH 2125X Islamic Law and Secular Politics

POLSC-UH 2322J Civil Liberties: Legal and Moral Perspectives

#### **Middle Eastern and Islamic Studies**

ACS-UH 1010X Anthropology and the Arab World

ACS-UH 1410X Making of the Modern Middle East

ACS-UH 2410X Paradise Lost: Muslims, Christians, and Jews in Al-Andalus

**ACS-UH 3010** Problems and Methods in Arab Crossroads Studies

ARABL-UH 1110 Elementary Arabic 1

ARABL-UH 1120 Elementary Arabic 2

ARABL-UH 2120 Intermediate Arabic 2

#### Music

ANTH-UH 2114X Listening to Islam

MUSIC-UH 1001 Music Theory & Analysis I

**MUSIC-UH 1002** Music Technology Fundamentals

MUSIC-UH 1003 Making Music

MUSIC-UH 1004 Music: Histories and Historiography 1

**MUSIC-UH 1201-1211** Beginning Group Music Instruction

# Philosophy

PHIL-UH 1101 Central Problems in Philosophy

PHIL-UH 1810 Introduction to Logic

PHIL-UH 2210 Ancient Mediterranean Philosophy

PHIL-UH 2222 Early Modern European Philosophy

ARABL-UH 2110 Intermediate Arabic 1

ARABL-UH 2210J Colloquial Arabic-Emirati Dialect

ARABL-UH 3110 Advanced Arabic 1

ARABL-UH 3120 Advanced Arabic 2

**ECON-UH 2415X** Economic History of the Middle East

**POLSC-UH 2410X** Comparative Politics of the Middle East

**SRPP-UH 2612X** State Formation: The Case of the U.A.E.

MUSIC-UH 1611X Arab Music Cultures

MUSIC-AD 2215 Designing Sound for Scene and Screen

MUSIC-AD 2416 Recording and Producing Techniques

MUSIC-UH 2801 Music Theory and Analysis II

**MUSIC-UH 2806** Music of the World: Approaches to Theory

PHIL-UH 2412 Philosophy of Language

PHIL-UH 2414 Philosophy of Science

PHIL-UH 2610 Ethics

PHIL-UH 2614 Political Philosophy

#### **Studio Art**

CADT-UH 1007 Wood

IM-UH 2113 Machine Lab

THEAT-UH 1519 Installation

**VISAR-UH 1110** Types of Art: From Calligraphy and Stone Carving to Digital Type

VISAR-UH 1011 Foundations of 2D

#### Theater

THEAT-UH 1010 Making Theater

THEAT-UH 1011 Thinking Theater

THEAT-UH 1110 Fundamentals of Acting

VISAR-UH 1012 Foundations of 3D

VISAR-UH 2110 Projects in Photography

VISAR-UH 2111 Projects in Painting

VISAR-UH 2116 Print Studio I

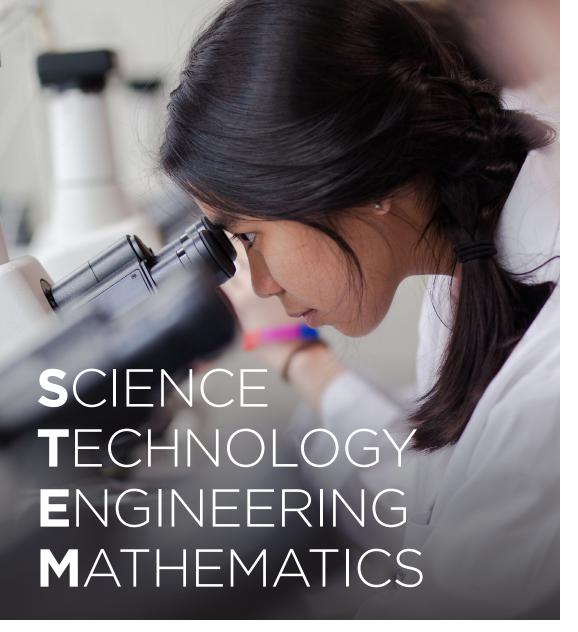
VISAR-UH 2117 Sound Art

THEAT-UH 1122 Voice, Speech, Text
THEAT-UH 2110 Character and Action

THEAT-UH 2115 Directing

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## Biology

**BIOL-UH 2010** Human Physiology

**BIOL-UH 2114** Genetics

**BIOL-UH 3101** Behavioral and Integrative Neuroscience

**BIOL-UH 3117** Molecular Neurobiology

**BIOL-UH 3218** Synthetic Biology

CHEM-UH 2010 Organic Chemistry 1

CHEM-UH 3020 Biochemistry: Macromolecular Structure and Function

CHEM-UH 3021 Biochemistry: Metabolism

# STEM MAJORS

Examples of courses:

# Chemistry

CHEM-UH 2010 Organic Chemistry 1

CHEM-UH 3010 Organic Chemistry 2

**CHEM-UH 3011** Physical Chemistry: Thermodynamics & Kinetics

CHEM-UH 3012 Physical Chemistry Laboratory: Thermodynamics and Kinetics

#### **Environmental Studies**

CDAD-UH 1016EQ Where the City Meets the Sea: Studies in Coastal Urban Environments

**ENVR-UH 1111** Global Climate Change

# **Physics**

PHYS-UH 3010 Mechanics

PHYS-UH 3011 Electricity and Magnetism

PHYS-UH 3012 Quantum Mechanics 1

PHYS-UH 3013 Advanced Physics Laboratory

PHYS-UH 3014 Statistical Mechanics and Thermodynamics

# **Computer Science**

**CS-UH 1001** Introduction to Computer Science

CS-UH 1050 Data Structures

**CS-UH 1052** Algorithms

**CS-UH 2010** Computer Systems Organization

**CS-UH 2012** Software Engineering

CS-UH 2213 Artificial Intelligence

CS-UH 2214 Database Systems

#### **Mathematics**

**CS-UH 1002** Discrete Mathematics

MATH-UH 2010 Ordinary Differential Equations

MATH-UH 2012 Abstract Algebra 1

MATH-UH 2013 Analysis I

MATH-UH 2011Q Probability and Statistics

CHEM-UH 3013 Physical Chemistry: Quantum Mechanics and Spectroscopy

CHEM-UH 3015 Inorganic Chemistry

CHEM-UH 3020 Biochemistry: Macromolecular Structure and Function

CHEM-UH 3021 Biochemistry: Metabolism

ENVR-UH 1312 Global Debate on Green Growth

LAW-UH 2114 Climate Change Law and Policy

PHYS-UH 3213 Computational Physics

PHYS-UH 3214 Astrophysics

PHYS-UH 3219 Biological Physics: From Single Molecules to the Cell

PHYS-UH 4212 Quantum Mechanics 2

**CS-UH 2215** Computer Graphics

CS-UH 2216 Natural Language Processing

CS-UH 2218 Algorithmic Foundations of Data

CS-UH 3010 Operating Systems

**CS-UH 3012** Computer Networks

**CS-UH 3210** Computer Security

MATH-UH 3210 Abstract Algebra 2

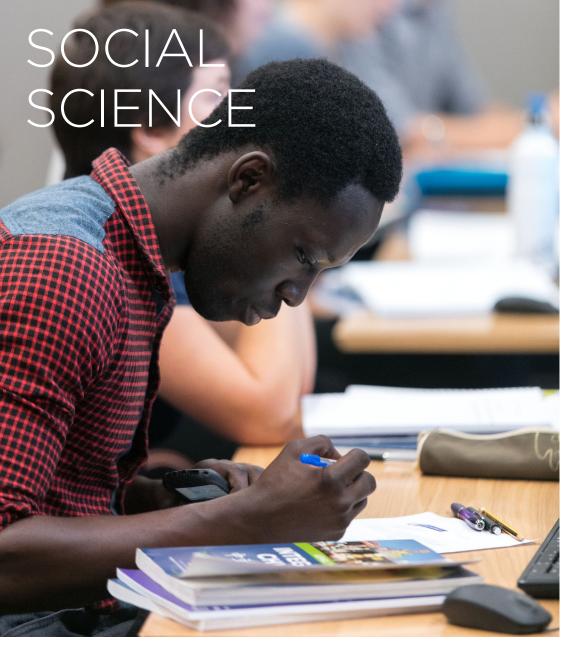
MATH-UH 3212 Analysis 2

MATH-UH 3213 Advanced Probability

MATH-UH 3414 Partial Differential Equations

MATH-UH 3610 Complex Analysis

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#### **Business**

BUSOR-UH 1003 Management & Organizations
BUSOR-UH 1004 Strategic Management
BUSOR-UH 1007 Introduction to Entrepreneurship
ECON-UH 2510 Foundations of Financial Markets
ECON-UH 3520 Corporate Finance

BUSOR-UH 1501 Introduction to Accounting
LAW-UH 1013 Business Law
LAW-UH 2116 International Business Law
LAW-UH 2117 International Business
POLSC-UH 2910 Business, Politics, & Society

# SOCIAL SCIENCE

Examples of courses:

#### **Economics**

**SOCSC-UH 1111** Markets (formerly titled Introduction to Microeconomics)

**ECON-UH 2010** Intermediate Microeconomics

**ECON-UH 2030** Intermediate Macroeconomics

**ECON-UH 2310EQ** Behavioral Economics

**ECON-UH 2410** Development Economics

**ECON-UH 2411** Technology and Economic Development: Markets and Networks

**ECON-UH 2512** FinTech Innovation: Finance, Technology, Regulation

**ECON-UH 2610** International Economics

ECON-UH 3410 Development and Public Policy

**ECON-UH 3910** Advanced Microeconomics

**ECON-UH 3940** Advanced Macroeconomics

**SOCSC-UH 1010Q** Statistics for the Social and Behavioral Sciences

**SOCSC-UH 3220** Econometrics

#### **Politics**

ACS-UH 1610X Feminism and Islamism in the Middle East and North Africa

**PEACE-UH 1011** Foundations of Peace: Economic and Political Perspectives

POLSC-UH 1111 Introduction to Comparative Politics

POLSC-UH 1112 Introduction to International Politics

POLSC-UH 2211 Data Analysis

POLSC-UH 2312 Political Economy of Development

POLSC-UH 2311 Political Economy of Institutions

POLSC-UH 2316 Gender Parity

POLSC-UH 2412 Power and Politics in America

POLSC-UH 2527 Politics of International Law

POLSC-UH 3510 International Political Economy

**SOCSC-UH 1010Q** Statistics for the Social and Behavioral Sciences

SOCSC-UH 1311 Introduction to Political Thinking

**SOCSC-UH 2210** Introduction to Game Theory

# **Psychology**

Psychology

**PSYCH-UH 1001** Introduction to Psychology **PSYCH-UH 1002EQ** Research Methods in

PSYCH-UH1004Q Statistics for Psychology

PSYCH-UH 1003 Biopsychology

PSYCH-UH 2211 Social Psychology

PSYCH-UH 2210 Developmental Psychology

PSYCH-UH 2410 Cognition

PSYCH-UH 2411 Perception

# Sociology

**PEACE-UH 1010** Foundations of Peace: Psychological Perspectives

**SOCSC-UH 1113** Introduction to the Study of Society

SOCSC-UH 1210Q Logic of Social Inquiry

SOCSC-UH 2211 Survey Research

**SRPP-UH 2211** Ethnographic Field Research **SRPP-UH 2410Q** Gender and Society

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SRPP-UH 3214 Social Networks

**Note:** The course offerings here are only suggestions and vary by semester. Please refer to Albert for the specific semester you are planning to study at NYU Abu Dhabi. Discuss with your academic advisor in New York how specific courses may count towards your degree.

# NYUAD MINORS

#### **Multidisciplinary Minors**

Multidisciplinary minors typically require four courses to complete. They support work across disciplines and engage students to think about complex subjects from multiple perspectives. These minors have both global dimensions and special relevance to Abu Dhabi. The Emirate's location and major initiatives in the realms of environment, technology, and urbanization afford students unique opportunities for research, field work, and first-hand experiences.

- African studies
- Ancient world
- Arab crossroads studies
- · Arab music studies
- Environmental studies
- Heritage studies

- Interactive media
- Legal studies
- Peace studies
- Sound and music computing
- Urbanization







### **Disciplinary Minors**

Disciplinary minors typically include four courses and are designed for students who wish to concentrate on several electives in a particular field.

- Anthropology
- Applied mathematics
- Arabic
- Art history
- Art practice
- Chinese
- Computer science
- Creative writing
- Design
- Economics
- Engineering

- Film and new media
- History
- Literature
- Music
- Natural science
- Philosophy
- Political science
- Psychology
- Social research and public policy
- Theater

**Note:** Minor course offerings vary by semester. Please review the course offerings in Albert for the specific semester you are planning to study at NYU Abu Dhabi. If you are interested in completing an NYUAD minor, be sure to discuss this possibility with your academic advisors in New York as some minors may not be accepted.

#### **Internship Opportunities**

The Career Development Center curates a diverse array of resources, services, and programs to help students find the information, develop the skills, and make the connections they need to advance their professional lives. Students coming to NYUAD for the spring semester will have a visa that is valid through the summer, allowing for the possibility of a full-time internship. Examples of areas in which students have completed internships include:

- Accounting
- Aerospace and Defense
- Art
- Business and Management
- Chemicals
- Consulting
- Customer Service
- Education
- Energy
- Engineering
- Entertainment, Media and Communications

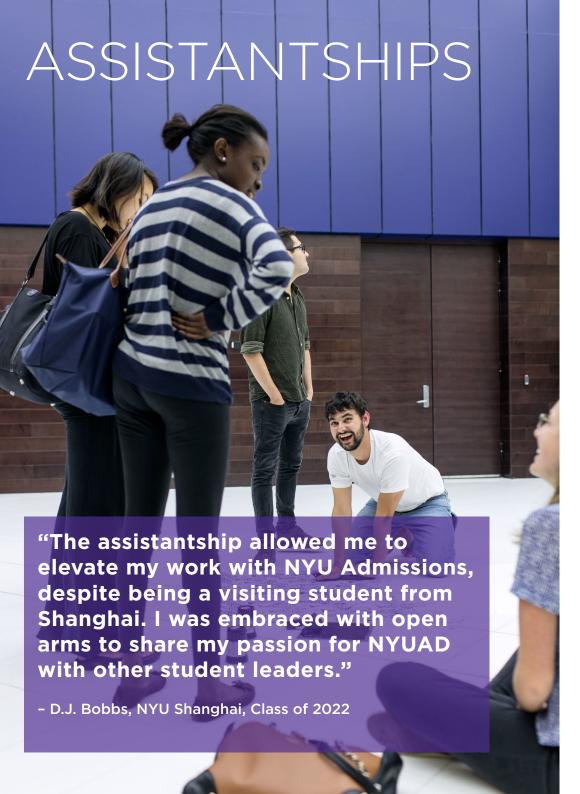
- Financial Services
- Government
- Healthcare
- Hospitality and Travel
- International Organizations
- Law
- Marketing and PR
- NGO, Non-Profit and Social Services
- Real Estate
- Sustainability
- Technology and Telecommunications

Examples of Abu Dhabi companies in which students have held internships:

- ADNOC
- Arup
- Arabtec
- · Cleveland Clinic Abu Dhabi
- Deloitte
- Emaar
- · Emirates Wildlife Society
- Enerwhere Sustainable Energy
- Etihad Airways
- Hedayah, International Center of Excellence for Countering Violent Extremism
- IBM

- IMKAN Properties LLC
- IRENA, International Renewable Energy
  Agency
- Louvre Abu Dhabi
- McKinsey & Company
- Mubadala
- MWH (now part of Stantec)
- PricewaterhouseCoopers
- Shorooq Investments
- Total
- TVM Capital Healthcare
- United Nations High Commissioner for Refugees (UNHCR)





#### **Assistantship Opportunities**

On campus, you can take advantage of **paid and unpaid part-time assistantships** offered across various departments and offices. Students can work up to 15 hours a week while getting paid an hourly wage. Examples include:



- Admissions ambassador in the Office of Admissions
- Campus recreation administrative assistant in the Office of Athletics
- Data analyst in Social Science
- Experiential learning visual media assistant in the Office of Global Education
- Global career peer in Career
   Development Center
- Interactive media lab monitor in the Interactive Media Program

- **Mascot (Faiza the falcon)** in the Office of Athletics
- Materials sample designer in Engineering
- Multimedia & design assistant in the Arts Center
- Public affairs assistant in the Office of Public Affairs
- **Scene shop assistant** in the Arts Center
- Unix lab assistant in Computer Science

#### **Undergraduate Research Opportunities**

Research is a fundamental mode of learning that is applicable at every level of study and is not limited to senior year or to advanced courses. At NYU Abu Dhabi research opportunities are threaded throughout the undergraduate curriculum. The required courses in most majors consider research methods and clarify the distinctive approaches of the disciplines.

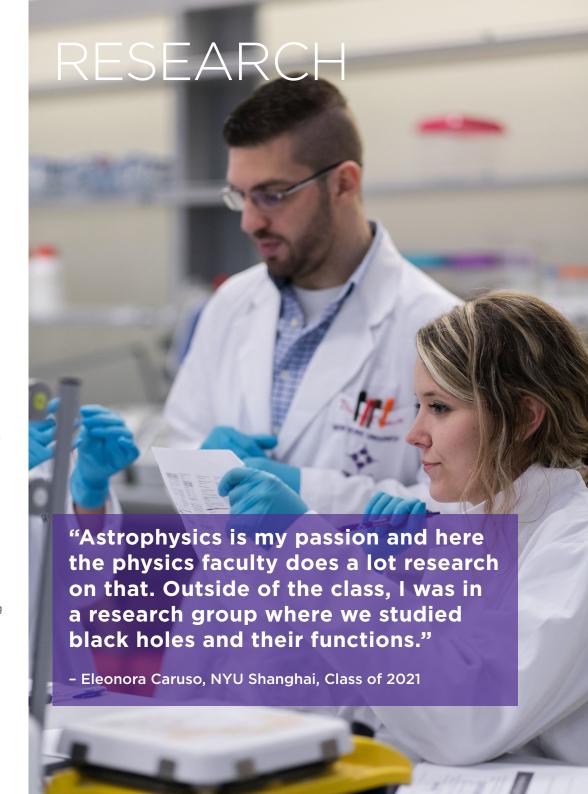
Some examples of the topics that students have researched in the past are:

- Atmospheric conditions over
   Greenland glaciers as inferred from
   10-year weather stations observations
- Biomimetic structure replicating the lizard tail autotomy
- Comparative analysis of the Last Planner System and Scrum
- Corn Stalk Failure A biomechanical approach to crop science
- Development of a computational tool for SNP annotation
- · Drone capturing aerial netting system
- Design of deep learning techniques in adversarial conditions for selfdriving cars

- The development of a virtual reality immersive museum simulation
- Effects of network topology on traffic performance at the urban scale
- Haptic-based VR museum
- Kinetic installation development
- Microwave Induced Plasma Gasification
   (MIPG) of waste materials
- Paper based filter for water purifications
- Van Dyck crystals
- XENON Dark Matter Program

#### **Visiting Undergraduate Research Program**

NYU Abu Dhabi welcomes the unique experiences and insights visiting students bring to the university and region. The Summer Visiting Undergraduate Research Program provides an opportunity for a limited number of undergraduate students from NYU New York, NYU Shanghai, and UAE-based universities to take part in research projects at NYUAD over the summer, supervised by NYUAD faculty members.



# EXTRA-CURRICULAR OPPORTUNITIES



#### **Student Life**

Students can also pursue their interests and deepen their expertise through Student Interest Group (SIGs), where they can connect with others across a wide spectrum of activity and discussion. These groups are fertile grounds to develop friendships and challenge students to grow and express themselves. Some of the current SIGs include:

- Africa Global
- Anchorage Society
- Arab Culture Club
- Astronomy Club
- BPM (Beats Per Minute)
- Beyond Borders Consulting
- Catholic Community
- Chinese Culture Club
- Cyber#
- DAO The Way of Chinese Tea
- Dongari the Korean SIG
- Ecoherence

- Model United Nations Society at NYUAD
- Music Society
- Muslim Students Association
- Public Health Interest Group
- Students for Justice in Palestine
- TASHAN: Association of South Asian Cultural Understanding
- The Coffee Collective
- weSTEM (Women in Science and Engineering)
- Women's Leadership Network



### **Volunteer Opportunities**

NYU Abu Dhabi has a strong tradition of and commitment to social responsibility and service. The university encourages students to engage with the local community in meaningful ways. The **Office of Community Outreach** offers many opportunities for students to do this through participation in volunteering and service-based learning programs in the UAE. Some of these opportunities include:

- Abu Dhabi Art
- Abu Dhabi Festival
- ADvocacy
- Autism Support Network
- Breast Cancer & Autism Education month campaigns
- Fitness with a Mission
- Future Center for Special Needs
- Girls' and Boys' Education Networks
   (GEN & BEN)
- Saadiyat Turtle Beach Patrol
- Somali Social & Cultural Center



#### **Fitness Center**

The NYUAD Fitness Center is a state-of-the-art facility that is equipped with industry leading cardiovascular exercise, resistance, and free weight training equipment. There is also a separate women's-only studio with a wide variety of similar equipment in a private environment.

Some of the other fitness offerings include:

- Racquetball and squash courts
- Olympic swimming pool
- Performance gymnasium
- Indoor and outdoor running tracks
- Dance studio

- Tennis courts
- Fitness center
- Women's-only gym
- Multiple group fitness classes per week
- Personal consultation and coaching

#### **Athletics and Intramurals**

The Department of Athletics, Intramurals & Recreation also provides students opportunities to discover and participate in a wide range of athletic and recreational activities regardless of skill or ability. Intercollegiate teams participate in the Abu Dhabi Inter-University Sports League (ADISL) where 17 area universities compete in six sports:

- Badminton
- Basketball
- Table Tennis

- Volleyball
- Football (Soccer)
- Swimming

Students can also engage in a casual match with friends during open play hours at the state-of-the-art athletics facilities or sign up to play in one of the intramural leagues for basketball, badminton, football/futsal, and volleyball.

#### **Physical Education Classes**

The Physical Education program provides opportunities for competitive and recreational athletic participation, fitness through exercise classes such as aerobics and Pilates, and lifetime skills in sports such as golf and tennis. Stay active through a number of sports and fitness options at NYU Abu Dhabi. Explore over 40 PE classes, such as indoor cycling, yoga, fencing, performance boxing, scuba diving, or golf.

While in Abu Dhabi, be entertained, explore, escape, and breathe! The city and the rest of the UAE offer a variety of excursions and events.

Abu Dhabi is home to many live international and regional sporting events. **Be a spectator** and take in high-adrenaline, international sports action. Regional sporting events include cricket and football, and other sports meets.



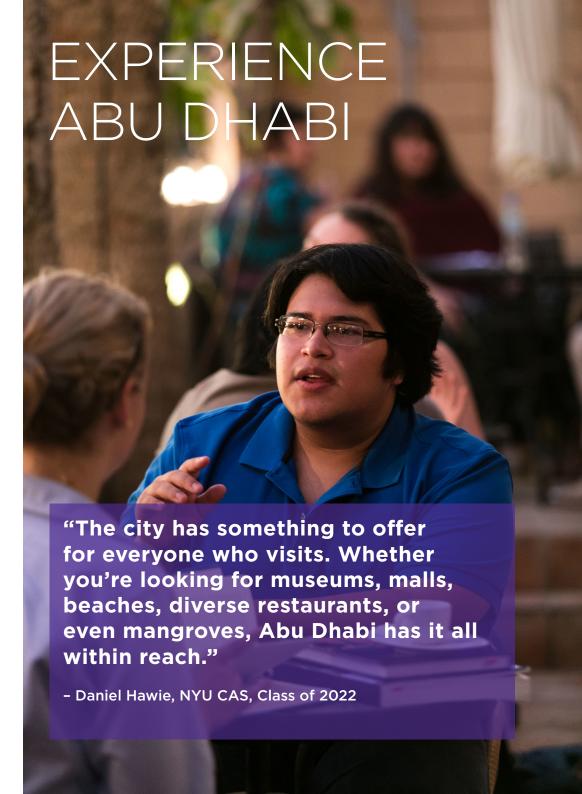
**Choose between familiarity** and exposure to new forms of entertainment in Abu Dhabi and the UAE which boasts a variety of options from live music, to theatre and performances, and stand-up comedy.



**Explore the UAE through outdoor activities** such as mountain trekking, canoeing, and other water sports. Relax at a public beach, stroll through a park, visit the corniche, or find peace amidst the mangroves.



And for indoor activities head to cinemas, gaming, or activity zones. From a quick break to longer planned excursions to mountains, deserts, and beaches, the UAE has something for everyone.





#### **Semester-Long Programming**

During your study away in Abu Dhabi, you will explore Emirati culture and the UAE through lectures and field trips on topics such as Islam, Islamic culture, tribalism, modernity, and future strategic planning for the development of the UAE. Here are a few examples of the activities you can join:

- Ride a 4x4 out into the Arabian desert for an evening desert safari
- Tour the Louvre Abu Dhabi
- Explore the Al Fahidi historical neighborhood in Dubai
- Watch the sunset at the Sheikh Zayed Grand Mosque
- Explore the gold and spice souks of Dubai
- Immerse yourself in the local tribal communities of the Northern Emirates
- Take a traditional wood dhow cruise through the Fjords of Musandam, Oman







