

**Proposed Study Plan for Media Art Curriculum
(ADM Students admitted in AY2017)**

IMPORTANT NOTES:

1. If you are **not planning to pursue any particular pathways**, it is always good to plan carefully and to ensure you have taken the pre-requisite courses.
2. You should also look further ahead to the course requirements of the **Final Year Project (FYP)**.
3. If you are **considering a General Pathway**, do consult the relevant Pathway Coordinators about course combinations and seek their advice on the sequence to take courses.

Media Art Pathway Coordinators:

- Animation / Game: Assoc. Prof Gray Hodgkinson, Email: ghodgkinson@ntu.edu.sg
- Filmmaking: Asst. Prof Ross Williams, Email: rawilliams@ntu.edu.sg
- Photography: Lecturer Mr Ang Song Nian: Email: SNAng@ntu.edu.sg

- ----- **YEAR 1** -----

Year 1 Semester 1	Course Code and Title	Course Type	AUs	Remarks
	DN1002 Foundation 2D	Core	3	
	DN1003 Foundation 3D	Core	3	
	DN1004 Foundation 4D	Core	3	
	DN1001 Foundation Drawing	Core	3	
	DD1003 Introduction to Histories of Art I	Core	3	
	DD0000 Writing Narratives for Creative Media / HW0105 Academic Communication in the Arts, Humanities and Social Sciences	GER Core	2 / 3	Choose One
	TOTAL		17 / 18	

Year 1 Semester 2	Course Title	Course Type	AUs	Remarks
	DN1016 Visual Story Telling	Core	3	
	DN1013 Concepts of Digital Imaging	Core	3	
	a) DN1014 Drawing for Animation (ANIM and GAME Pathway)	Compulsory Major PE	3	Choose One (Students who are <u>not</u> pursuing a specific pathway may choose any one of the following courses)
	b) DN1015 Practical Digital Filmmaking (FILM Pathway)			
	c) DN1012 Black and White Film Photography (PHOTO Pathway)			
	*DD1004 Introduction to Histories of Art II (Pre-req: DD1003)	Core	3	
	DD0000 Writing Narratives for Creative Media / HW0209 Academic Communication in the Art, Design and Media Studies	GER Core	2 / 3	Choose One (cannot take HW0209 if taken HW0105)

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	Course Title	Course Type	AUs	Remarks
Cont.	GC0001 Introduction to Sustainability	GER Core	1	
	Choose one from Range on offer in university, except from ADM	GERPE (LA)	3	May choose to fulfill another category
	TOTAL		18 / 19	

*Course with pre-requisite

----- **YEAR 2** -----

Year 2 Semester 1	Course Type	AUs	Pathway				
			Animation (Character Stream/Visual Effects Stream) **	Filmmaking	Game	Photography	General
	Compulsory Major Studio PE 1	3	DT2001 3D Production	DF2000 Digital Film Production I	DT2018 Animation For Games I	DP2001 Digital Photography	Choose any two (*Refer to Important Notes at the top of this document)
	Compulsory Major Studio PE 2	3	DT2000 Basic Principles of Motion (CA)	DF2005 Writing for Film	DT2020 Game Design I	*DP2006 Principles of Lighting (Pre-req: DN1012 or DP2000)	
			DT2009 Storyboarding & Production Design (VFX)	DF2011 Sound for Film			
	Compulsory Area Specific History Major PE	3	DT2007 History of Animation	DF2009 History of World Cinema	DT2007 History of Animation	DP2002 History of Photography	Choose One
	GER CORE (SS) / UE	3	DD0002 The Contemporary Creative and Cultural Industry of Singapore / Unrestricted Elective (Choose one from Range on offer in university)				
	GER CORE	1	ML0001 Absolute Basics for Career				
	UE	3	Choose one from Range on offer in university				
	GERPE (STS)	3	Choose one from Range on offer in university, except from ADM (May choose to fulfill another category)				
TOTAL	19						

*Course with pre-requisite

Notes:

- Students in **FILM Pathway** are to take **3 Compulsory Major PE** courses in this semester and take 1 Compulsory Major PE in Year 3, Semester 2.
- **Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).
- Students in **GAME Pathway** are to complete one of the following highly advised elective of the **pre-requisite** courses for **DT3008**: **DT2000 Basic Principles of Motion / DT2001 3D Production / DT2009 Storyboarding & Production Design**

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Year 2 Semester 2	Course Type	AUs	Pathway					
			Animation (Character Stream/Visual Effects Stream)**	Filmmaking	Game	Photography	General	
	Compulsory Major Studio PE 3	3	DT2009 Storyboarding & Production Design (CA)	DF2003 Cinematography I	*DT2019 Animation for Games II (Pre-req: DT2018)	*DP2005 Photography : Color and Context (Pre-req: DN1012 or DP2000 or DP2001)	Choose any two (*Refer to Important Notes at the top of this document)	
			DF2003 Cinematography I (VFX)					
	Compulsory Major Studio PE 4	3	*DT2016 3D Character Animation (CA) (Pre-req: DT2000 & DT2001)	DF2001 Film Editing	*DT3014 Game Design II (Pre-req: DT2020)	*DP2011 Photography : Light and Location (Pre-req: DP2006)		
			DT2010 Digital Compositing (VFX)					
	Compulsory Art History 3 Major PE (Choose <u>ONE</u> of the following)	3	DD2000 Introduction to the Histories of Southeast Asian Art DD2009 Survey of New Media DD2008 Survey of Modern Art 1900 -1945 DD3010 Issues in Global Contemporary Art *DD3022 Art in the Age of Colonialism (Pre-req: DDD1004) DD8008 Faith in Art DD8010 Visualization of Cultural Heritage *DD8012 Contemporary Curating (Pre-req: DD1003 or D1004) *DD9014 Introduction to Museum Studies (Pre-req: DD1003)					
	GER CORE (SS) / UE	3	DD0002 The Contemporary Creative and Cultural Industry of Singapore / Unrestricted Elective (Choose one from Range on offer in university)					
	GER CORE	1	HY0001 Ethics and Moral Reasoning					
	GERPE (BM)	3	Choose one from Range on offer in university, except from ADM (May choose to fulfill remaining category)					
TOTAL	16							

*Course with pre-requisite

Notes:

1. **Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).
2. Students in **GAME Pathway** are to complete one of the following highly advised elective of the **pre-requisite** courses for DT3008: **DT2000 Basic Principles of Motion / DT2001 3D Production / DT2009 Storyboarding & Production Design**

**Proposed Study Plan for Media Art Curriculum
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YEAR 3

Year3 Semester 1	Course Type	AUs	Pathway					
			Animation (Character Stream/Visual Effects Stream)**	Filmmaking	Game	Photography	General	
	Compulsory Major Studio PE 5	3	DT2011 Stop Motion (CA)	*DF3012 Film Directing (Pre-req:DF2000 & DF2005)	DM2008 Programming for Interaction	*DP3000 Photographic Media and Presentation (Pre-req: DN1012 / DP2000 / DP2001)	Choose any <u>two</u> (*Refer to <u>Important Notes</u> at the top of this document)	
			*DT3010 Visual Effects I (VFX) (Pre-req: DT2001 / DT2010 / DF2000 / DF2003)					
	Compulsory Major Studio PE 6	3	*DT3013 Animation Seminar (Pre-req: DT2001)	*DF3013 Producing for Film and Media (Pre-req:DF2000)	*#DT3017 Game Seminar (Pre-req: DT2018 / DT3014)	*DP3010 Moving Image for Media Artists (Pre-req: DN1012 / DP2000 / DP2001)		
	Major Studio PE	3	Refer to Page 7 - 8					
	GERPE (Any Category)	3	Choose one from Range on offer in university, except from ADM					
	UE	3	Choose one from Range on offer in university					
	UE	3	Choose one from Range on offer in university					
	TOTAL	18						

*Course with pre-requisite

Notes:

1. **Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).
2. Students in **GAME Pathway** are to complete one of the following highly advised elective of the **pre-requisite** courses for **DT3008**: **DT2000 Basic Principles of Motion / DT2001 3D Production / DT2009 Storyboarding & Production Design**

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Year 3 | Semester 2

Course Type	AUs	Pathway				
		Animation (Character Stream/Visual Effects Stream)**	Filmmaking	Game	Photography	General
Compulsory Major Studio PE 7	3	*DT3008 Research and Visual Development <i>(Pre-req: DT2000/DT2001/DT2009)</i>	*#DF3004 Digital Film Production II <i>(Pre-req: DF2001 & DF2003 & DF2011)</i>	*DT3008 Research and Visual Development <i>(Pre-req: DT2000/DT2001/DT2009)</i>	*DP3011 Documentary Practices <i>(Pre-req: DN1012 / DP2000 / DP2001)</i>	Choose any two <i>(*Refer to Important Notes at the top of this document)</i>
Compulsory Major Studio PE 8	3	*DT3012 Acting for Animation (CA) <i>(Pre-req: DT2016)</i>		*DT3016 Game Jam <i>(Pre-req: DT2018 / DT3014)</i>	*DP4001 Extended Photography <i>(Pre-req: DP2001 & DP2005)</i>	
		*DT3011 Visual Effects II (VFX) <i>(Pre-req: DT3010/DF3013)</i>				
Major Studio PE	3	Refer to Page 7 - 8				
GER CORE	1	ET0001 Enterprise and Innovation				
GER CORE	1	ML0002 Career Power Up				
UE	3	Choose one from Range on offer in university				
GERPE (Any Category)	3	Choose one from Range on offer in university, except from ADM				
TOTAL	17					

*Course with pre-requisite

Notes:

1. **Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).

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Year 3 May - July	Course Code and Title	Course Type	AUs	Remarks
	*DD3021 Professional Attachment (Pre-req: Must have achieved at least 72 AUs and Year 3 standing)	Core	5	10 weeks
	TOTAL		5	

*Course with pre-requisite

----- **YEAR 4** -----

Year 4 Semester 1	Course Code and Title	Course Type	AUs	Remarks
	*DD4003 Final Year Project - Media Art # (Pre-req: DT3008 / DF3004 / DP3011 / DP4001 / Upon Approval)	Core	4.5	
	*DD4005 Interdisciplinary Seminar (Media Art) (Pre-req: Study Year 4)	Core	3	
	Choose one from Range on offer in university	UE	3	
	Choose one from Range on offer in university	UE	3	
	TOTAL		13.5	

*Course with pre-requisite

#AU total for FYP is 9 that is given upon successful completion of the project

Year 4 Semester 2	Course Code and Title	Course Type	AUs	Remarks
	*DD4003 Final Year Project - Media Art # (Pre-req: DT3008 / DF3004 / DP3011 / DP4001 / Upon Approval)	Core	4.5	
	Choose one from Range on offer in university	UE	3	
	TOTAL		7.5	

*Course with pre-requisite

#AU total for FYP is 9 that is given upon successful completion of the project

**Proposed Study Plan for Media Art Curriculum
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I. Selection of Other Major Prescribed Elective Courses offered by ADM

These following elective courses may be selected by both DA and MA major students who meet the pre-requisites, **unless stated otherwise.**

Other Major Prescribed Elective Courses (6 AUs)

All courses listed here are also offered as Unrestricted Electives (UE), except for those indicated with (#).

ANIMATION and GAME

DT2005 Lighting and Rendering Pipeline

*DT2015 Advanced 3D Production (Pre-req: DT2001)

DT2017 Writing for Animation **Recommended for GAME Pathway*

*#DT3000 Advanced Drawn Animation (Pre-req: DT2000)

*DT3004 Rigging for Animation (Pre-req: DT2011)

DT3009 Cinematic Concepts and Motion Capture Applications **Recommended for GAME Pathway*

*DT3015 Advanced Stop Motion (Pre-req: DT2011) – **Applicable as Major PE for MA majors only**

FILMMAKING

*DF2012 Advanced Screenwriting (Pre-req: DF2005) – **Applicable as Major PE for MA majors only**

DF2013 Film Music in Theory and Practice

*#DF3000 Research Perspective in Film Practice (Pre-req: DF2003)

*#DF3001 Cinematography for Visual Effects (Pre-req: DF2003)

*DF3005 Audio Post-Production for Film (Pre-req: DF2011) – **Applicable as Major PE for MA majors only**

DF3010 Experimental Film Production

*DF3011 Advanced Directing for Film (Pre-req: DF3012) – **Applicable as Major PE for MA majors only**

DF3014 Creative Producing for Film and Media

DF8001 Sound in Media – **Applicable as Major PE for MA majors only**

DF9001 The Art of Lighting **Recommended for GAME Pathway*

INTERACTION

DM2002 Sound Art

DM2009 Performance and Interaction

DM2010 Scenography and Exhibition Design

DM2011 Issues in Interactive Media Practice

DM3008 Generative Art **New*

*DM3009 Programming for Audiovisual Performance (Pre-req: DM2008)

DR2011 Human Factors for Design

DV2008 Interface Design

DV3003 Spatial Design

PHOTOGRAPHY

DP2004 Critical Eye: Seeing and Understanding in Photo Media

DP2008 Experimental Photography

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*DP3001 Transformative Identities in Fashion Media (*Pre-req: DP2005 or DP2006*) **New*

DP3003 Narrative Portrait

*DP3008 Location Experiences in Photography (*Pre-req: DN1012 or DP2000 or DP2001*)

PRODUCT DESIGN

DR2002 Issues in Product Design Practice

DR2011 Human Factors for Design

DR2012 Materials and Manufacturing for Designers

DR2013 Furniture Design I

DR2014 Wearable Technology, Fashion and Design

*#DR2015 Furniture Design II (*Pre-req: DR2013*)

*DR3002 Computer Aided Design II (*Pre-req: DR2005*)

VISUAL COMMUNICATION

DV2002 Illustration for Designers

DV2006 Designed Experiences

DV2008 Interface Design

*#DV2012 Digital Visual Communication (*Pre-req: DV2004 and DV2005*)

*#DV3002 Editorial Design (*Pre-req: DV2004 and DV2005*)

DV3003 Spatial Design

*DV3005 Creative Brand Design (*Pre-req: DV2004 and DV3010*)

DV3009 Information Visualization (*Pre-req: DV2001*) – **Applicable as Major PE for DA majors only**

DV8001 Beyond the logo: Introduction to branding

INTERDISCIPLINARY

DD3012 Research Methods in Art and Design

***Note: Please take note that these advance-level courses have pre-requisites. You need to ensure that you meet the pre-requisite in order to register for the advance-level course.**

When registering for courses offered as Major Prescribed Electives (Major PE) / Unrestricted Elective (UE), it is advisable that you register the course as UE. This will allow you to reserve the Major PE AUs for registration of courses offered only as Major PE.

I. Selection of Unrestricted Elective Courses offered by ADM

Unrestricted Elective Courses (24 AUs)

Unless stated otherwise, you may choose any ADM courses from the list below or courses offered by other schools.

Course Code and Title

INTERDISCIPLINARY

DA2000 Applied Drawing

DA2001 Painting

DA2003 Watermedia Landscape Painting

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DA9009 Exhibition Design
DA9011 Kinetic Anatomy: Dynamic Figure Drawing for Artists and Designers
DA9012 Media Art Nexus
DA9013 Drawing and Sketching for Design, Compositional Study and Space Construction
DA9014 Handbuilding with Clay: Form and Surface
DD9007 Independent Study
DD9009 Design Thinking

ART HISTORY

DD2000 Introduction to the Histories of Southeast Asian Art
DD2003 Issues in Art History and Theory
DD2007 The Art and Architecture of the 'Long Century' 1789 – 1914
DD2009 Survey of New Media
DD2008 Survey of Modern Art 1900 -1945
DD2011 Contemporary South-East Asian Art
DD3008 Cities, Bodies, Memories, Art and Everyday Life in Contemporary Singapore
DD3010 Issues in Global Contemporary Art
DD3012 Research Methods in Art and Design
DD3013 From Modern to Post-Modern Art 1945-1985
DD3016 History of Design
*DD3022 Art in the Age of Colonialism (*Pre-req: DDD1004*)
DD4002 Exhibition Histories: Museums to Biennales
DD4007 British Art: 1815 – 1929
DD4008 From Colonialism to Tourism: Early Photography in Asia
DD8002 Ways of Seeing: Exploring Visual Culture
DD8004 The Fantastic in Western Visual Arts
DD8006 The Modern and Modernism in Southeast Asian Art
DD8008 Faith in Art
DD8009 Japanese Art: Edo to Contemporary
DD8010 Visualization of Cultural Heritage
DD8011 Aesthetic Manifestations of Buddhist Devotion & Practice
*DD8012 Contemporary Curating (*Pre-req: DD1003 or D1004*)
DD9010 Maritime Silk Roads: Heritage and Media
*DD9014 Introduction to Museum Studies (*Pre-req: DD1003*)

ANIMATION and GAME

DT2000 Basic Principles of Motion – **Applicable as UE for DA majors only**
DT2001 3D Production – **Applicable as UE for DA majors only**
DT2003 Digital Sculpting
DT2004 Graphic Storytelling
DT2005 Lighting and Rendering Pipeline
DT2006 Issues in Animation Practice
DT2007 History and Culture of Animation, VFX and Game
DT2009 Storyboarding & Production Design – **Applicable as UE for DA majors only**
DT2010 Digital Compositing – **Applicable as UE for DA majors only**

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DT2011 Stop Motion – **Applicable as UE for DA majors only**
DT2012 Digital Painting
DT2013 Fundamentals Of Immersive 360° and VR Experiences
*DT2015 Advanced 3D Production (Pre-req: DT2001)
DT2017 Writing for Animation
DT2018 Animation for Games I – **Applicable as UE for DA majors only**
*DT2019 Animation for Games II (Pre-req: DT2018) – **Applicable as UE for DA majors only**
DT2020 Game Design I – **Applicable as UE for DA majors only**
*DT3004 Rigging For Animation (Pre-req: DT2011)
DT3009 Cinematic Concepts and Motion Capture Applications
*DT3014 Games Design II (Pre-req: DT2020) – **Applicable as UE for DA majors only**
*DT3015 Advanced Stop Motion (Pre-req: DT2011)
*DT3016 Game Jam (Pre-req: DT2018 or DT3014) – **Applicable as UE for DA majors only**
*DT3017 Game Seminar (Pre-req: DT2018 or DT3014) – **Applicable as UE for DA majors only**

FILMMAKING

DF2000 Digital Film Production I – **Applicable as UE for DA majors only**
DF2001 Film Editing – **Applicable as UE for DA majors only**
DF2003 Cinematography I – **Applicable as UE for DA majors only**
DF2005 Writing For Film – **Applicable as UE for DA majors only**
DF2006 Ethnographic Film
DF2008 Issues in Film Practice
DF2009 History of World Cinema
DF2011 Sound For Film – **Applicable as UE for DA majors only**
*DF2012 Advanced Screenwriting (Pre-req: DF2005)
DF2013 Film Music in Theory and Practice
DF3002 Documentary Filmmaking
*DF3005 Audio Post-Production for Film (Pre-req: DF2011)
*DF3006 Cinematography II (Pre-req: DF2003)
DF3010 Experimental Film Production
*DF3011 Advanced Directing for Film (Pre-req: DF3012)
*DF3012 Film Directing (Pre-req: DF2000 and DF2005) – **Applicable as UE for DA majors only**
*DF3013 Producing for Film and Media (Pre-req: DF2000 and DF2005) – **Applicable as UE for DA majors only**
DF3014 Creative Producing for Film and Media
DF8000 Survey of Experimental Filmmaking
DF8001 Sound in Media
DF9001 The Art of Lighting ***Recommended for GAME Pathway**

INTERACTION

DM2000 Interactive I – **Applicable as UE for MA majors only**
DM2002 Sound Art
DM2006 Narratives for Interaction – **Applicable as UE for MA majors only**
*DM2007 Interactive II (Pre-req: DM2000) – **Applicable as UE for MA majors only**
DM2009 Performance and Interaction

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DM2010 Scenography and Exhibition Design

DM2011 Issues in Interactive Media Practice

DM3002 Creative Robotics

DM3008 Generative Art

*DM3009 Programming for Audio Visual Performance (*Pre-req: DM2008*)

*DM3015 Interactive Environments (*Pre-req: DM3013*) – **Applicable as UE for MA majors only**

DM8001 Web Design

PHOTOGRAPHY

DP2000 Photo Imaging I: Black and White Film Photography

DP2001 Digital Photography – **Applicable as UE for DA majors only**

DP2002 History of Photography

DP2004 Critical Eye: Seeing and Understanding in Photo Media

DP2005 Photography: Colour and Context (*Pre-req: DN1012 or DP2000 or DP2001*) – **Applicable as UE for DA majors only**

DP2006 Principles of Lighting (*Pre-req: DN1012 or DP2000*) – **Applicable as UE for DA majors only**

DP2008 Experimental Photography

DP2010 Art and Ecology Workshop

DP2011 Photography: Light and Location (*Pre-req: DP2006*) – **Applicable as UE for DA majors only**

DP3000 Photographic Media and Presentation (*Pre-req: DN1012 or DP2000 or DP2001*) – **Applicable as UE for DA majors only**

*DP3001 Transformative Identities in Fashion Media (*Pre-req: DP2005 or DP2006*)

DP3003 Narrative Portraits

DP3008 Location Experiences in Photography (*Pre-req: DN1012 or DP2000 or DP2001*)

DP3010 Moving Image for Media Artists (*Pre-req: DN1012 or DP2000 or DP2001*) – **Applicable as UE for DA majors only**

DP3011 Documentary Practices (*Pre-req: DN1012 or DP2000 or DP2001*) – **Applicable as UE for DA majors only**

DP4001 Extended Photography (*Pre-req: DP2001 and DP2005*) – **Applicable as UE for DA majors only**

PRODUCT DESIGN

DR2000 Conceptual Design – **Applicable as UE for MA majors only**

DR2001 Product Design I – **Applicable as UE for MA majors only**

DR2005 Computer Aided Design I – **Applicable as UE for MA majors only**

DR2002 Contemporary Issues in Product Design

DR2008 User Experience In Design

DR2009 Products in an Asian Cultural Context

DR2011 Human Factors for Design

DR2012 Materials and Manufacturing for Designers

DR2013 Furniture Design I

DR2014 Wearable Technology, Fashion and Design

*DR3002 Computer Aided Design II (*Pre-req: DR2005*)

DR9001 Introduction to Design

DR5004 Design and Systems Thinking **New*

VISUAL COMMUNICATION

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DV2000 Typography I – **Applicable as UE for MA majors only**

DV2001 Visual Communication I – **Applicable as UE for MA majors only**

DV2002 Illustration for Designers

DV2006 Designed Experiences

*DV2007 Issues in Visual Communication Practice (*Pre-req: DV2004 & DV3010*)

DV2008 Interface Design

DV2009 Design in Motion

DV2010 Packaging Design

DV2011 Pattern, Art, Design and Architecture

DV3003 Spatial Design

*DV3005 Creative Brand Design (*Pre-req: DV2004 & DV3010*)

DV3009 Information Visualization (*Pre-req: DV2001*) – **Applicable as UE for MA majors only**

DV8001 Beyond the logo: Introduction to branding

DV9001 Art, Design and Science

***Note: Please take note that these advance-level courses have pre-requisites. You need to ensure that you meet the pre-requisite to register for the advance-level course. You need to refer to the online class schedule to determine the course eligibility for the semester.**

Please refer to the following links for more information (*via STUDENT INTRANET*) on NTU-OAS webpage:

[Course Contents with Assessment, Reading Materials and Weekly Schedule, etc](#)

[Student Handbook and Guides for Course Registration](#)

[Class Schedules and Course Registration Matters](#)