



Welcome to Texas A&M University!

Meteorology and Oceanography Departments



Your Academic Advisor

- Heather Ferguson
- TAMU Class of 1994 – WHOOP!
- Communication major
- Lived in Peru and Canada
- Come from a family of Aggies
- Love coming alongside college students



What is Meteorology?

The scientific study of the earth's atmosphere and how it causes changes in weather conditions.



At TAMU, the undergraduate curriculum in meteorology emphasizes weather and weather forecasting, but also includes courses in:

- climatology
- atmospheric chemistry
- cloud physics
- remote sensing of the atmosphere with radar and satellites.

The study of these subjects relies on a foundation of physics, chemistry and mathematics.

Meteorology also has connections to oceanography and other geosciences disciplines, which may be taken as elective courses.

Career Paths in Meteorology

- The National Weather Service
- Private meteorological consulting and weather forecasting companies
- Air quality consulting firms
- Airlines
- TV stations
- Energy trading companies
- Universities
- State governments
- Agricultural firms
- Computer-related industries
- Military service as weather officers



What is Oceanography?

Oceanography is an interdisciplinary science that focuses on the oceans, their contents and their boundaries.

Oceanography, B.S.

The Bachelor of Science in Oceanography has four themes:

- Ocean Observing Science and Technology (OOST)
- Ocean Climate (OC)
- Marine Ecosystems Processes (MEP)
- Marine Chemistry and Geochemistry (MCG)

Provides students with the skills to:

- retrieve, evaluate, and analyze large oceanographic datasets such as those generated from long term oceanographic studies and observing systems;
- Emphasizes critical thinking and problem-solving skills

Ocean Studies, B.A.

The Bachelor of Arts in Ocean Studies curriculum will:

- provide students with an interdisciplinary understanding of the oceans;
- provide students with the communication skills to articulate the problems and the solutions to issues relating to the stewardship of the oceans;
- emphasize critical thinking and problem-solving skills.

Career Paths in Oceanography

- Marine technical support
- Energy and transportation industries
- Insurance industries
- Hazard mitigation
- Marine operations
- Homeland security
- Oil spill response
- Environmental consulting
- Teaching and research



An aerial photograph of a large football stadium filled with spectators. The field is green with white yard lines and the words "TEXAS A&M" in white at both ends. The stands are packed with fans, many wearing red. A red rectangular box is superimposed over the center of the image, containing the text "Ways to Get Involved" in white. The sky is blue with some clouds.

Ways to Get Involved

Get Involved - Meteorology



Undergraduate Research

We encourage you to participate in undergraduate research with our faculty. Meet with the faculty and learn about different opportunities.

Internships

You can complete internships with the National Weather Service or complete a Broadcast Internship. Start thinking about now for summer of Sophomore year and after.

Student Organizations

Texas A&M Student Chapter of the American Meteorological Society (TAMSCAMS)

Get Involved - Meteorology

TAMSCAMS

Instagram

@tamscams

Twitter/X
 
@tamscamsnwa

JOIN US ON DISCORD!


tx.ag/
tamscamsdisc

TAMU WEATHER

INTEREST FORM!


tx.ag/tamscamsnsc

Twitter/X
@tamuweather

Instagram
@tamuweather



Texas Aggie Storm Chasers (TASC)

Twitter/X
@tamu_tasc

Or ask to join our
facebook group!

INTEREST FORM!
tx.ag/tamscamsnsc




TAMSCAMS Monthly Meetings
1st Tuesday of the month , 7:00pm
OMB 112

Get Involved - Oceanography



Undergraduate Research and Internships

We encourage you to participate in undergraduate research with our faculty. Meet with the faculty and learn about different opportunities.

Internships

Talk with faculty and visit the Career Center to find out about opportunities.

Student Organizations

TAMU Ocean

Get Involved - Oceanography

TAMU Ocean

Student organization that provides a network for students with a strong interest in Oceanography to discuss, debate, socialize, and perform community service relating to the ocean and marine science.

Usually meets Thursdays at 6 pm in OMB 112

*Meetings may be scheduled to change each semester.

Email tamu.ocean@gmail.com for information.



Advising 101



As your advisor, I can:



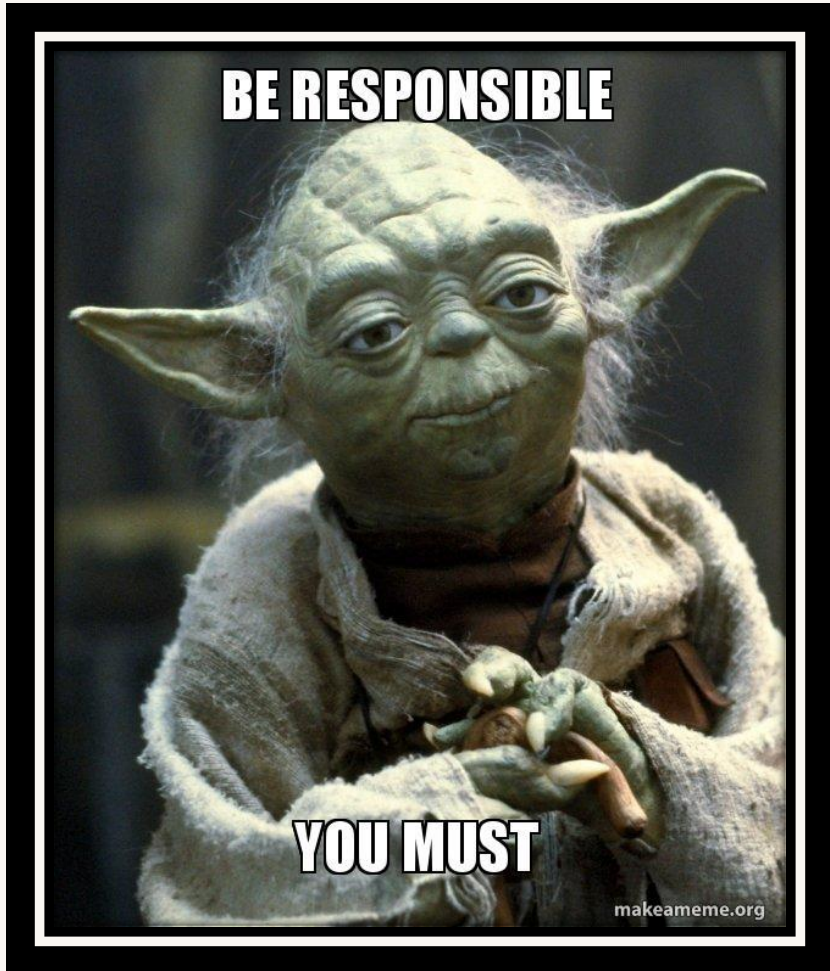
- Know your degree
- Provide suggestions for academic decisions
- Assist you with scheduling changes
- Direct you to other resources and programs on campus
- Inform you of special events, career, and research information

As your advisor, I cannot:

- Make academic decisions for you
- Choose your courses for you, or plan a 4-year schedule for you
- Provide you with “easy” courses
- Always be immediately available
- Advise you about degree requirements for other majors and programs



You are Expected To:



- Know how to access your degree evaluation
- Be accountable for the academic decisions you make
- Come prepared to advising meetings
- Check your University email account daily
- Use your undergraduate catalog and Howdy to look for prerequisites before registering for classes
- Ask for help when needed ASAP
- Make progress towards graduation

An aerial photograph of a large football stadium filled with spectators. The field is green with white yard lines and the words 'TEXAS A&M' printed in large white letters. The stands are packed with fans, many wearing maroon clothing. The sky is blue with scattered white clouds. A dark red banner is overlaid across the middle of the image.

Tips for Success

Check your TAMU email regularly

- All communication from your professors, advisors, the department and college, and the University will come to this email.



Take Advantage of “FREE” on campus tutoring and office hours.



- Academic Success Center
- Student Learning Center
- Writing Center
- ATMO Help Desk
- Student Counseling Services
- Math Learning Center
- Career Center
- Disability Resources
- Aggie One Stop

Go to Class!

You will not
succeed if you
do not go to
class.



If you are struggling in any way...



- Come talk to me.
- Request to meet with your professor.
- Make use of the resources available to you on campus.

We are all for you and your success, so please do not wait too long to reach out for help.

How to reach me...

Email me

- Use atmo-ocng-ugrad@tamu.edu
- Always include your UIN
- If your question seems like it may be more than a quick answer, make an appointment to discuss

Appointments

- In person
- Zoom available when necessary, such as you are not in town

Pop In

- You are always welcome! OMB 114
- For help regarding your degree plan, please make an appointment

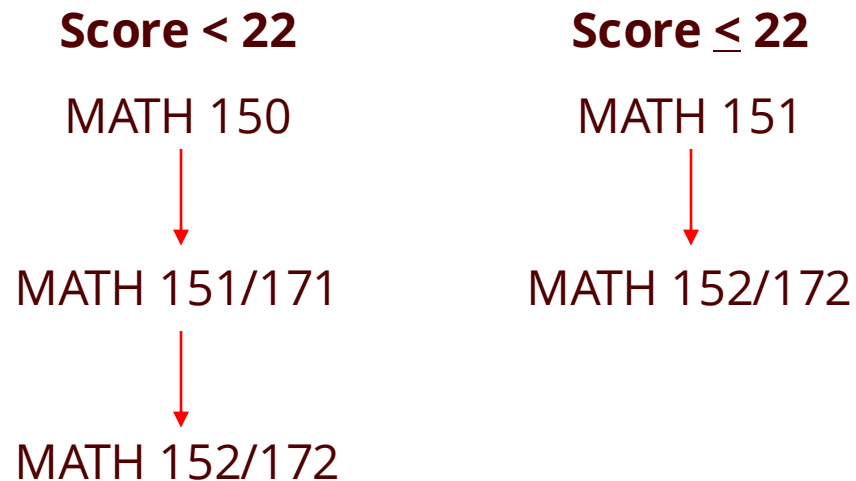
An aerial photograph of a large football stadium filled with spectators. The field is green with white yard lines and the words 'TEXAS A&M' printed in large white letters at both ends. The stands are packed with fans, many wearing red. The sky is blue with scattered white clouds. A white rectangular box with a dark red border is overlaid on the center of the image, containing the text 'Registration and things'.

Registration and things

General Information

Math Placement Exam (MPE)

If you have not taken the MPE you will not be able to register for a Math Course



Pre-AP Credits

Do NOT accept without talking with your advisor

Computer Science Requirement (ATMO)

- Must include programming in a high-level computer language
- Required that students take ATMO 321, CSCE 110, or CSCE 206

Writing Intensive Course Requirements

- Student must complete 2 "W" courses
- This requirement is to help develop writing skills appropriate to the major field of study
- Required:
 - ATMO 456; Choose from ATMO 459 or ATMO 463
 - OCNG 203 and OCNG 303



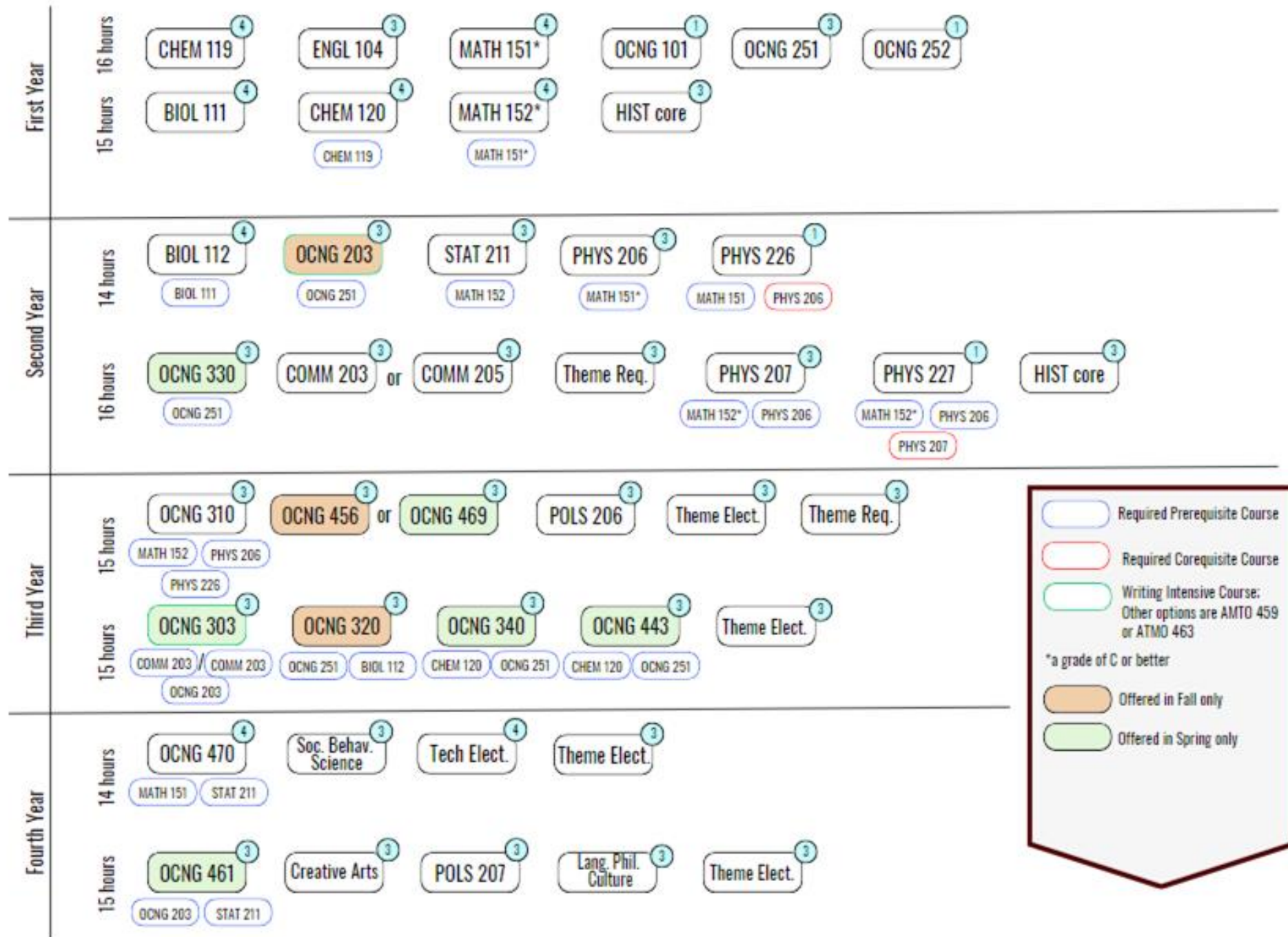
Meteorology Degree Plan

First Year	14 hours	ATMO 201* ³	CHEM 119 ⁴	ENGL 104 ³	MATH 171* ⁴ or MATH 151* ⁴		
	16 hours	ATMO 203* ¹ ATMO 201*	CHEM 120 ⁴ CHEM 119	HIST core ³	MATH 172* ⁴ or MATH 152* ⁴ MATH 151* / MATH 171* MATH 151*	PHYS 206 ³ MATH 151* / MATH 171*	PHYS 226 ¹ MATH 151* / MATH 171* PHYS 206
Second Year	15 hours	ATMO 251* ³ MATH 152* / MATH 172* ATMO 201	ATMO 363 ³ CHEM 119 CHEM 120	MATH 251* ³ MATH 152* / MATH 172*	ATMO 321 ³ or CSCE 110 ³ or CSCE 206 ³		POLS 206 ³
	16 hours	AMTO 324 ³ ATMO 201* MATH 251* ATMO 321	MATH 308* ³ MATH 251*	POLS 207 ³	Gen. Elect. ³	PHYS 207 ³ MATH 152* / MATH 172* PHYS 206	PHYS 227 ¹ MATH 152* / MATH 172* PHYS 206 PHYS 207
Third Year	14 hours	ATMO 335 ³ CHEM 120 MATH 251* PHYS 206	ATMO 336 ⁴ ATMO 321 ATMO 335 MATH 308*	STAT 211 ³ MATH 152* / MATH 172*	HIST core ³	ATMO/ Tech Elect. ¹	
	15 hours	AMTO 435 ³ ATMO 336 MATH 308*	COMM 203 ³ or COMM 205 ³		Lang Phil Cult ³	ATMO/ Tech Elect. ³	ATMO/ Tech Elect. ³
Fourth Year	15 hours	ATMO 441 ³ or ATMO 443 ³ ATMO 324 MATH 308* ATMO 352 PHYS 207 ATMO 446	ATMO 446 ³ ATMO 335	Soc. Behav. Science ³	ATMO/ Tech Elect. ³	Gen. Elect. ³	
	15 hours	ATMO 456 ³ ATMO 435	Creative Arts ³	Gen. Elect. ³	ATMO/ Tech Elect. ³	ATMO/ Tech Elect. ³	

- Required Prerequisite Course
- Required Prerequisite or Co-Requisite Course
- Required Corequisite Course
- Writing Intensive Course: Other options are AMTO 459 or ATMO 463
- *a grade of C or better
- Offered in Fall only
- Offered in Spring only

Oceanography

Degree Plan



Pre-Registration Info

Complete the following prior to registration:



- Clear all Registration Holds
- Complete Action Items (HAVE TO DO EVERY SEMESTER):
 - Lab Safety Acknowledgement
 - Location Update
 - Terms of use
- Enter phone, address, etc. in Howdy (Cell phone number should be student's)
- View Instructions for registration found in your NSC Online Orientation materials

CANNOT REGISTER WITHOUT COMPLETING ALL REQUIREMENTS



Registration Information

- Login to Howdy
- Click on Registration Icon
- Click on Aggie Schedule Builder
- Register for Classes



Registration & Schedule Builder

[Aggie Schedule Builder\(Class Search and Registration\)](#)



















- Search and compare schedule options based on all sections offered to find the best fit
- Add breaks to build schedules around your availability
- Save potential schedule to your shopping cart
- Register directly from Aggie Schedule Builder shopping cart

!!!IMPORTANT!!

Check your [Registration Readiness Status](#) prior to your registration time.



Registration Info

	Status	CRN #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
  	Not Enrolled	54503	ARSC	101	539	0	25	Traditional Face-to-Face (F2F)	W 3:00pm - 3:50pm 08/21/2024 - 12/04/2024 LAAH 372
  	Not Enrolled	42681	ATMO	201	501	3	76	Traditional Face-to-Face (F2F)	MWF 9:10am - 10:00am 08/19/2024 - 12/09/2024 OMB 112
  	Not Enrolled	53467	CHEM	119	661	4	0	Traditional Face-to-Face (F2F)	W 6:30pm - 9:20pm 08/21/2024 - 12/04/2024 IL SC 2210 MWF 10:00am - 11:10am 08/19/2024 - 12/09/2024 ILCB 113
  	Not Enrolled	58221	ENGL	104	M02	3	11	Traditional Face-to-Face (F2F)	MWF 8:00am - 8:50am 08/19/2024 - 12/09/2024 HECM 113
  	Not Enrolled	49467	MATH	171	201	4	24	Traditional Face-to-Face (F2F)	W 11:30am - 12:20pm 08/21/2024 - 12/04/2024 BLOC 122 TTh 9:35am - 10:50am 08/20/2024 - 12/10/2024 BLOC 148
  	Not Enrolled								

Course Information:

- restrictions
- prerequisites
- course fees
- general course info

Available Seats.

Total Hours
12 hours = Full Time

Section Information

- 200- Honors
- 700- Online w/additional fees
- 800 - Special Groups
- 900 - Writing Course
- MXX - McAllen



What's Next?

@1: 30

Parents/Guardian:
Session in HELD, Room 100

Students:
Meet in HALB 65 to finish registration

Are you a First-Generation student?

The ArtSci Undergraduate Student Success (UGSS) team is here for **you!**

Join us for our come and go Open House event during your lunch hour today in **ACAD 107!**

Program Offerings | Cookies | F2F Goodies

What is “First-Generation”?

- Classified as neither parent having earned a bachelor's degree
- Parent(s) may have completed a degree non-traditionally later in life or obtained a degree internationally

Why F2F?

- Community, support, leadership opportunities, workshops, resources to succeed, networking, service events, and so much more!

The logo for "First To Finish" features the word "FIRST" in a large, bold, black sans-serif font. The letter "I" is replaced by a black graduation cap (mortarboard) with a tassel hanging to the right. Below "FIRST", the words "TO FINISH" are written in a smaller, bold, black sans-serif font. The entire logo is set against a white background within a black rectangular border.

FIRST
TO FINISH



Questions?

Thanks & Gig 'em!

Contact Us



471 Houston St.



979.845.5826



979.256.1311



nsfp@tamu.edu

Follow Us



@NewAggie



@nsfptamu



@nsfptamu



@NSFP TAMU