



Class of 2027

Academic Advising & Orientation (AAO)

Associate Provost for Academic Affairs

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410-293-1581

You've Come A Long Way *(even since I-Day)*



Who am I?



Who am I?



MICHIGAN STATE UNIVERSITY

College of Engineering | Electrical and Computer Engineering

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

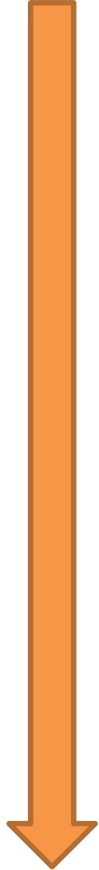


The Grainger College of Engineering

Electrical & Computer Engineering

Who am I?

1997



Professor in Weapons, Robotics, and Control Engineering

Chair of the WRC Department

Associate Dean of the School of Engineering and Weapons

(Interim) Associate Provost for Academic Affairs

2023



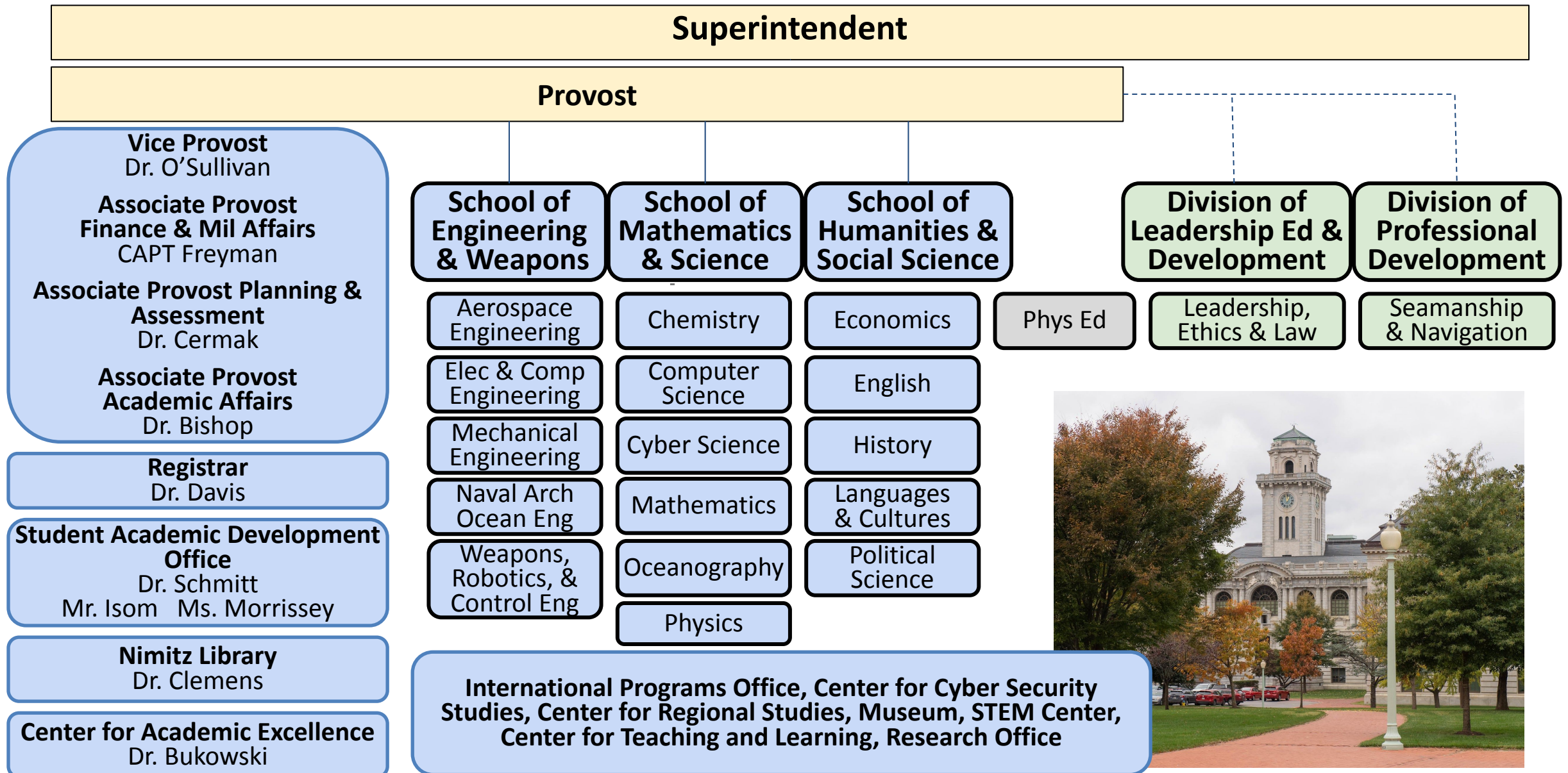
Mon	Tue	Wed	Thu	Fri	Sat
26-Jun-23 Block 2 begins	27-Jun	28-Jun	29-Jun Induction Day 2027	30-Jun	1-Jul (Optional Sat classes)
Blk1 Grades, MAPRs due					
3-Jul	4-Jul Independence Day (No Classes)	5-Jul	6-Jul	7-Jul	8-Jul Saturday classes
10-Jul Provost Brief to Class of 2027	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul (Optional Sat classes)
17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul (Optional Sat classes)
Academic Advising and Orientation Sessions Validations and Course Placements				Block 2 ends	
Center for Academic Excellence Brief	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul Saturday classes
31-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug Saturday classes
Academic Counseling and Registration Sessions Course Schedules and Academic Term Logistics					
7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug
				Plebe Parents' Weekend	
14-Aug	15-Aug Block 3 ends	16-Aug Blk3 Grades, MAPRs due	17-Aug Fall Term Begins <i>See Fall Calendar</i>	18-Aug August Graduation <i>See Fall Calendar</i>	APAA Kickoff Brief to Class of 2027

Academic Advising and Orientation

Learn and discuss the results of your validation and placement exams

Become better acquainted with the USNA academic program

Academic Organization @ USNA



Your Academic Program

Graduation Requirement: complete every course in a **matrix** (core + major courses) with overall QPR ≥ 2.0 .

Matrices provide feasible paths through the curriculum for any midshipmen in any major, regardless of pre-USNA preparation.

NS101, 2	SY110, 3	NE203, 3	NN220, 2	NL310, 3	NN310, 2	NL400, 2	NS43X, 2
NL110, 2				EE301, 4	EC310, 3		EW300, 3
CHEM1, 4	CHEM2, 4	SP211, 4	SP212, 4	CORE			
CALC1, 4	CALC2, 4	SM223, 4	SM232, 3				
HE111, 3	HE112, 3	HH2XY, 3	HH216, 3	HM SS1, 3		FR EL, 3	HM SS2, 3
FP130, 3	HH104, 3						
		SD211, 4	SD212, 4	SD311, 3	SD312, 3	SD411, 3	SD475, 3
				SD317, 3	DS EL1, 3	DS EL2, 3	
				SD321, 3	SD322, 3	RS EL1, 3	RS EL2, 3
[18]	[17]	[18]	[19]	[19]	[18]	[18]	[15]

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NL110, 2				EE301, 4	EC310, 3		EW300, 3
CHEM1, 4	CHEM2, 4	SP211, 4	SP212, 4		EM300, 4	EAM4XY, 4	EW370, 1
CALC1, 4	CALC2, 4	SM223, 4	SM239, 3				
HE111, 3	HE112, 3	HH2XY, 3	HH216, 3	HM SS1, 3		FR EL, 3	HM SS2, 3
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			SM263, 3	SM317, 3	DS EL1, 3	DS EL2, 3	
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HE111, 3	HE112, 3		HH2XY, 3	HH216, 3		HM SS1, 3	HM SS2, 3
FP130, 3	HH104, 3				EM300, 4	FR EL, 3	EA/N4XY, 4
		FL101, 3	FL102, 3	FL201, 3	FL202, 3		
		FP210, 3	FP230, 3	FP220, 3	MJ EL3, 3	MJ EL4, 3	FP471, 3
			MJ EL1, 3	MJ EL2, 3		MJ EL5, 3	MJ EL6, 3
[18]	[17]	[19]	[19]	[17]	[17]	[18]	[15]

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		EM221, 4	EA232, 3	EA322, 4			
			EA222, 3	EM319, 3	EA305, 3	EA439, 3	
		EA203, 3	EA204, 3	EA301, 3	EA304, 3	EA413, 3	MJ EL1, 3
			EA208, 2	EA303, 2	EA401, 3	EA429, 3	MJ EL2, 3
[18]	[17]	[20]	[19]	[20]	[19]	[16]	[16]

Academic Majors @ USNA

Aerospace Engineering⁺

Arabic

Chemistry⁺

Chinese

Computer Engineering

Computer Science

Cyber Operations⁺

Data Science

Electrical Engineering

English^{*}

Foreign Area Studies⁺

General Engineering

General Science

History^{*}

Mathematics⁺

Mathematics with Economics

Mechanical Engineering

Naval Architecture and Marine Engineering^{*}

Nuclear Engineering

Ocean Engineering^{*}

Oceanography^{*}

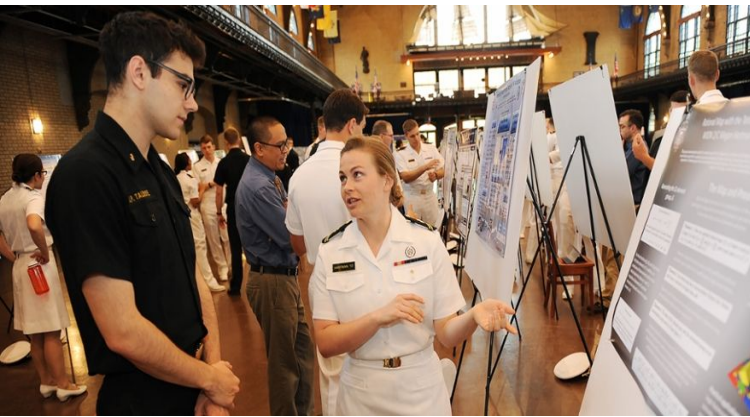
Operations Research

Physics⁺⁺

Political Science^{*}

Quantitative Economics^{*}

Robotics and Control Engineering^{*}



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Aerospace Engineering⁺

Arabic

Chemistry⁺

Chinese

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Cyber Operations⁺

Data Science

Electrical Engineering

English^{*}

Foreign Area Studies⁺

General Engineering

General Science

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Mathematics⁺

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Mechanical Engineering

Naval Architecture and Marine Engineering^{*}

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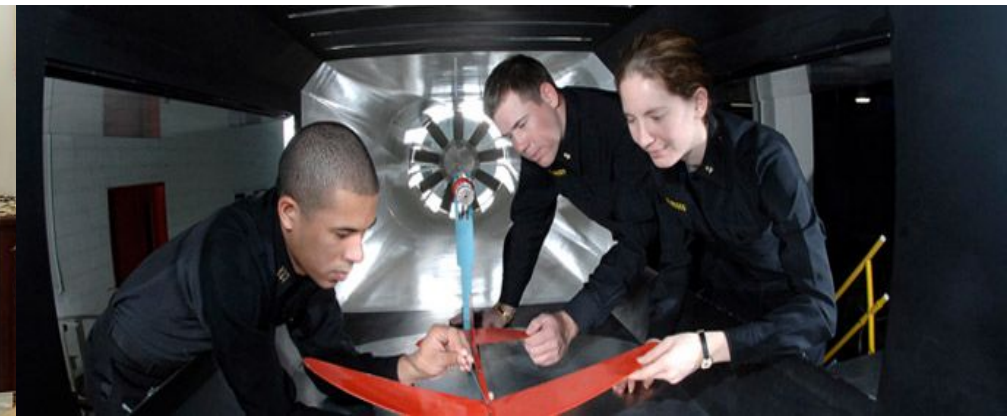
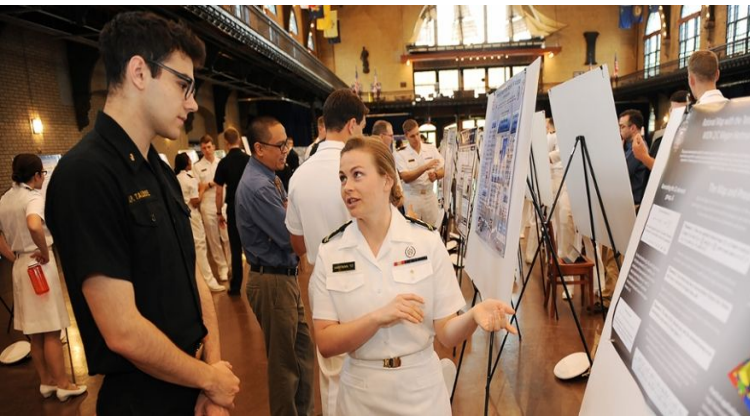
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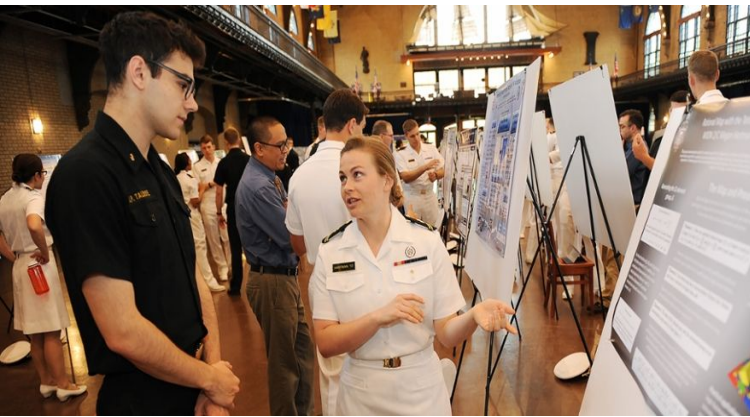
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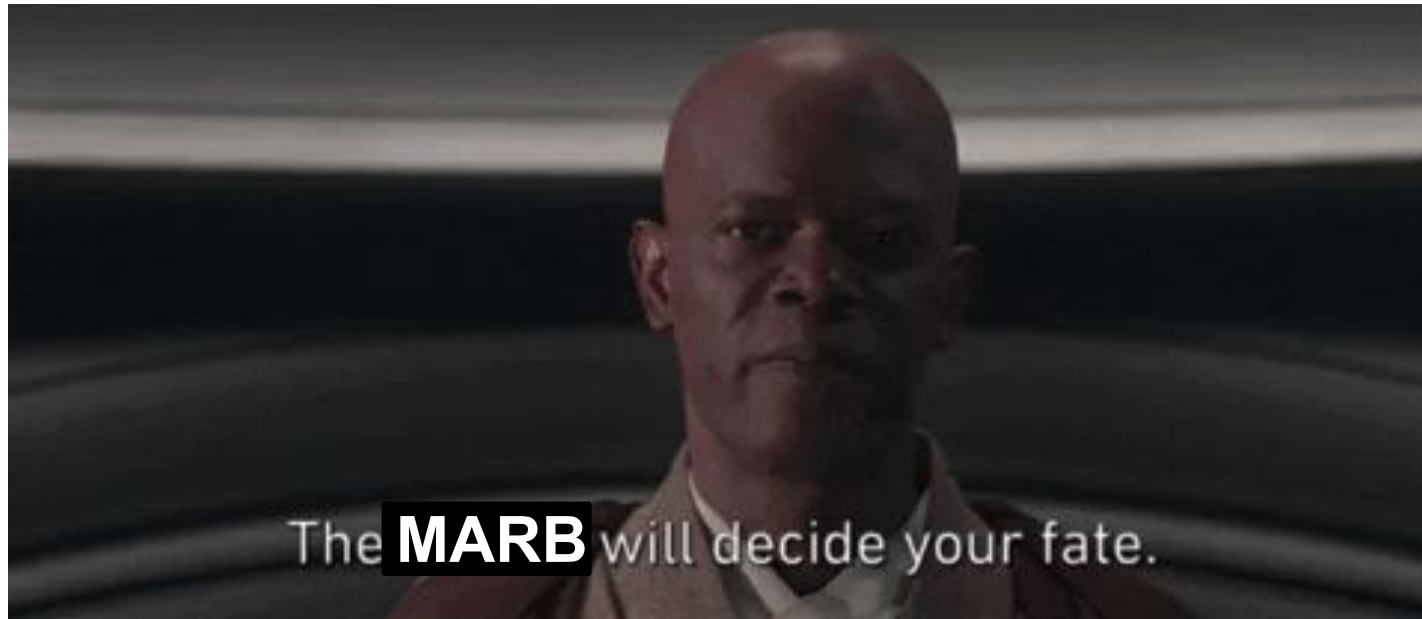
Robotics and Control Engineering^{*}



Major selection

-or-

Choose your fate?



Phase 0 - Plebe Advising (PA010)

Assigned to a section of PA010 based on stated interest

0 credits, no grade

1 hr/wk scheduled

Attend as a regular class unless directly instructed otherwise

Gain insight into the Schools and majors

Interact with professors from your discipline and see associated facilities

Learn how to manage the challenges of academic life at USNA



Phase 1 - Plebe Major Briefs

Occur in the evenings (1915 – 2000)

Each battalion will attend three of the following dates (one for each school)

Dates:

4 Oct (Wed)

5 Oct (Thurs)

17 Oct (Tues)

18 Oct (Wed)

25 Oct (Wed)

26 Oct (Thurs)



Phase 2



Phase 3 – Majors Fair

8 January (Monday)

Six 30 minute sessions

Assigned based on scavenger hunt data

Several open sessions – drop-in for:

- Premed

- Careers in Engineering

- Women in Engineering

- Engineering Real Talk

- Others TBD



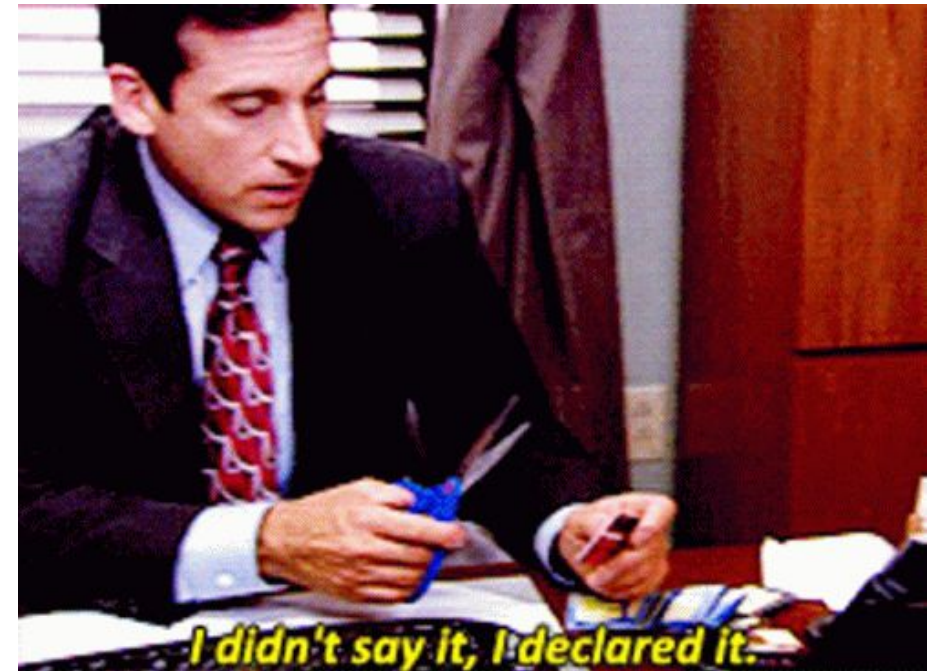
Phase 4 – Prelim Preferences

Likely by 12 Jan (end of 1st week of class)

Declare top three majors of interest

Data provided to departments

Non-binding, but used in discussions on major caps



Phase 5 – Open Houses

By department / major

Evenings – 1915 – 2000 (hopefully more)

Usually in late Jan - Feb

Schedule provided for all majors (may attend any)

Invitations generally sent based on preferences

Chance to see more spaces

Opportunity to speak with faculty and students/grads



Phase 6 - Selections

4 – 6 March

Google form – enter three preferences



Phase 7 – MARB

Major assignment review board

Applies major caps

Meets during Spring Break or soon after

Assignment is done *randomly*

Iterative process

Most students get 1st or 2nd choice



Phase 7 – MARB

Resource limits and needs of Navy factor into major assignment when setting limits on majors.

Stats from last year:

- 97.4% 4/C got their 1st choice
- 2.6% 4/C got their 2nd choice
- 0% 4/C got their 3rd choice
- Last year's limited majors: FAS, FQE, FPS, SMO

Take your 2nd and 3rd choices seriously!



Phase 8 – new adviser and prereg

After Spring Break

Must meet with new adviser

Prereg for Fall occurs 27 – 29 March



Language Minors@ USNA

FA - Arabic

FC - Chinese

FJ - Japanese

FR - Russian

FF - French

FG - German

FS - Spanish



Normal Academic Load

Five to seven courses and 15 to 20 credits each semester:

- Minimum = 15 credits
- Maximum depends ...
- Average of one professional course (leadership, ethics, law, seamanship, navigation, ...) each semester
- Remember, 1 credit = 3 hrs/week of effort

Academic challenge! 15-20 credits = 45-60 hrs/week of academics alone.



<https://tenor.com/search/balancing-gifs>

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Academic Expectations

You are expected to be **professional** toward and **responsive** to faculty members

Remember your courtesies with *all* Faculty:

- Military and Civilian Faculty
- **Address Faculty by their appropriate title**
 - “Prof”/”Professor” – Assistant/Associate/Full Professors
 - “Dean” or “Provost” – Any flavor of Dean or Provost
 - Military Titles – Military faculty
 - “Sir” and “Ma’am” always work
- **Greet civilian faculty and staff** in the same way you do officers when you pass on the Yard.

Communication!!!!

Effort



<https://giphy.com/gifs/star-wars-yoda-the-empire-strikes-back-pvDp7Ewpzt0o8>

Your Fall Semester Courses

You all have preliminary course assignments that are currently visible in MIDS, which you will see in the coming session today

Doing well in your required academic program is the best way to access special academic opportunities

Completing academic requirements is the #1 priority! You will not be permitted to fall behind your “matrix”.

Mon	Tue	Wed	Thu	Fri	Sat
14-Aug-23 <i>See Summer Calendar</i>	15-Aug <i>See Summer Calendar</i>	16-Aug <i>See Summer Calendar</i>	17-Aug Fall Term Begins Monday Schedule	18-Aug August Graduation	19-Aug
21-Aug-23	22-Aug	23-Aug	24-Aug Normal class start No mid-day break	25-Aug (No Classes)	26-Aug FB @ Notre Dame (Dublin, Ireland)
28-Aug	29-Aug	30-Aug	31-Aug Add course deadline	1-Sep	2-Sep
4-Sep Labor Day (No Classes)	5-Sep	6-Sep	7-Sep	8-Sep	9-Sep

What courses do you have in the Fall?

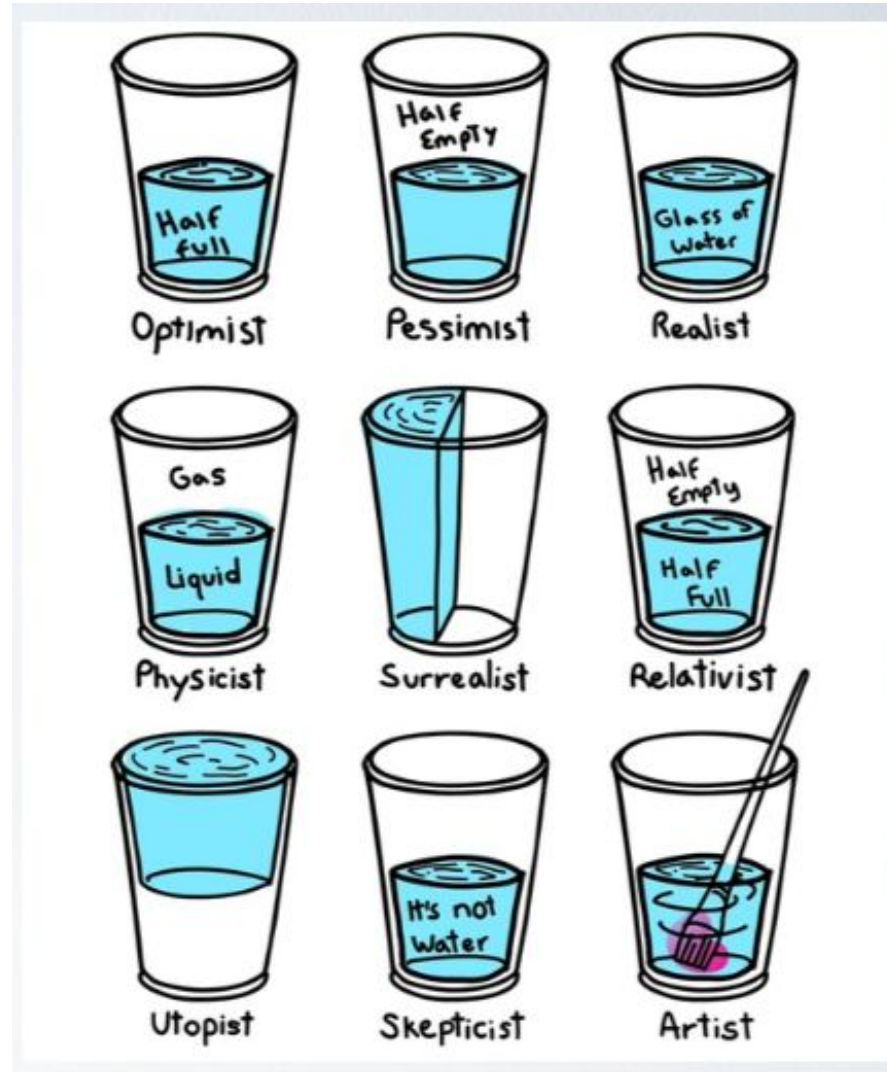
You will find out in the next session

Placement in courses outside the
“baseline” for plebe year relies on
Validations

These come from placement exams, IB,
and AP scores

<u>NS101, 2</u>	<u>SY110, 3</u>
<u>NL110, 2</u>	
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<u>HE111, 3</u>	<u>HE112, 3</u>
<u>FP130, 3</u>	<u>HH104, 3</u>

Should you take a validation?



Validation Advantages

Creates space in your academic program, which you can then use to...

- Lighten your load in a future semester (but not lighter than 15 credit hours)
- Take additional courses without overloading or summer school
- Earn a language minor or second major
- Make room for VGEP (starting a Master's in the 1/C spring), Independent Research, or pre-med courses
- Study abroad or participate in a service academy exchange
- More easily recover from medical, physical, emotional challenges, or course failure



Validation Concerns



Plebe year is demanding - why not redo familiar work and get an easy grade?

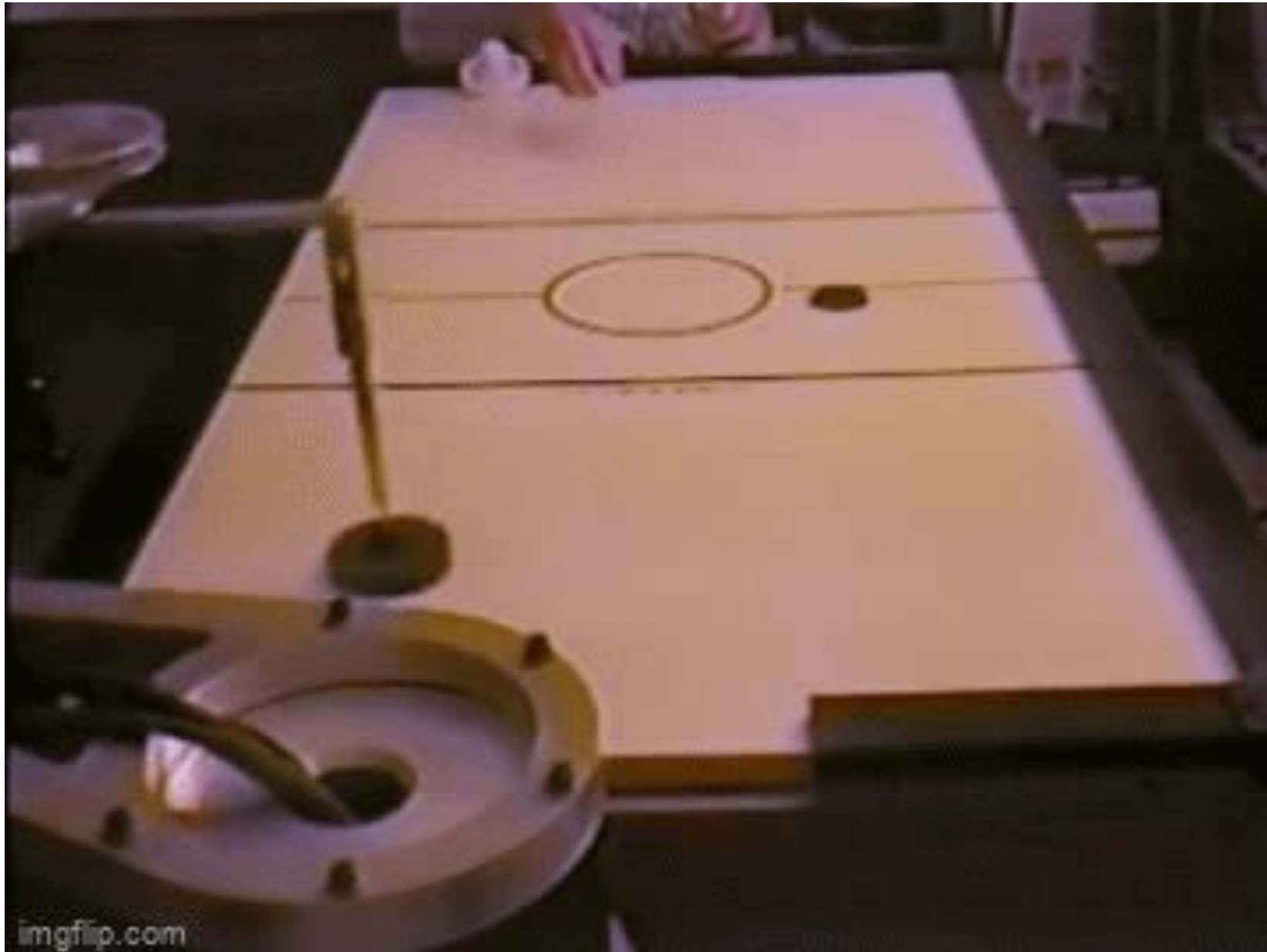
- Sometimes an “easy A” is not so easy, especially if you are bored

What if I find I’m in over my head?

(Perhaps validation was achieved without solid foundation or prerequisite course was taken a while ago.)

- Talk to an academic adviser





Getting Help

Your first resource for academic issues should be **your plebe adviser**

Extra Instruction (“EI”) – contact your professor

Center for Academic Excellence
 (“Academic Center” or “AcCenter”)

- **Extra Help Classes (“XS”)**
 (Math, Chemistry, Physics, others)
- **Learning Skills Program**
- Evening Tutoring
- Writing Center: Nimitz Library
- MGSP — Peer Group Study

**Brief on 24
 July!!**

Department Resources:

- Chemistry Resource Center: MI100
- Math Lab: CH130

Chaplains, MDC, Medical, Chain of Command





DOs

- **Meet** with your adviser(s) regularly
- **Get Information** from the appropriate source
- **See your instructor(s)** for EI first as needed
- **Know** your own strengths & challenges (study habits?)
- Remember **priorities**
- **Believe** in your abilities

Basic Academic “Do”s and “Don’t”s



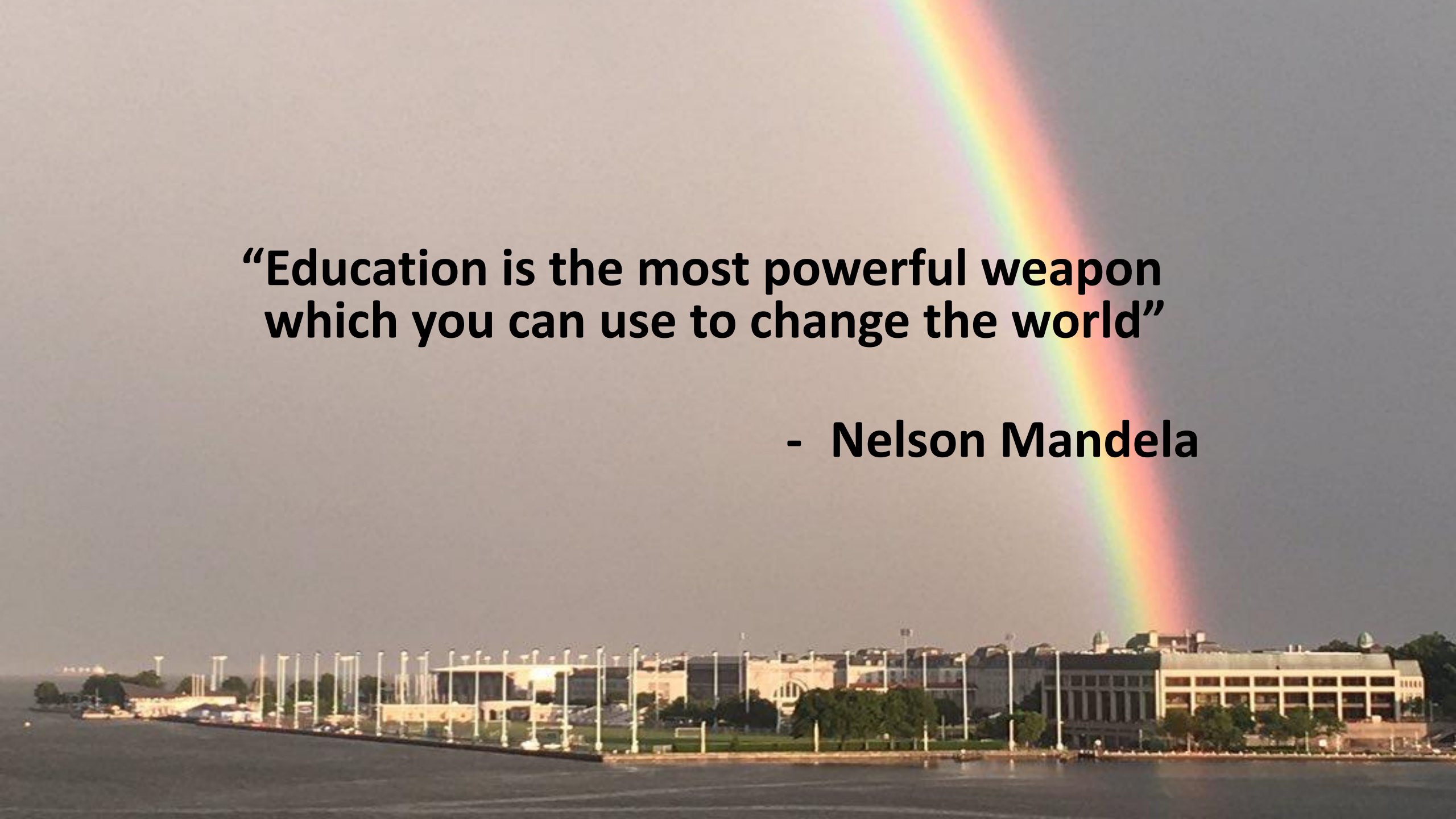
DON'Ts

- Don't be afraid to talk to faculty, **DON'T BE SHY!**
- Don't rely on info from poor sources or believe RUMORS
- Don't think you have to “do it on your own”
- Don't be embarrassed to ask for **help**
- Don't forget the **requirements**
- **Don't give up**



**“Education is the most powerful weapon
which you can use to change the world”**

- Nelson Mandela



Where to now?

PLATOON	ROOM
1	Sampson G-14
2	Sampson G-15
3	Sampson G-16
4	Sampson G-03
5	Sampson G-01
<overflow room>	Sampson G-06

<https://apscore.collegeboard.org>

[Link for reporting a validation that you think we missed](https://forms.gle/kjXKJSJVS8GQPLBs9)

(<https://forms.gle/kjXKJSJVS8GQPLBs9>)

Where to now?

PLATOON	ROOM
6	Sampson G-14
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