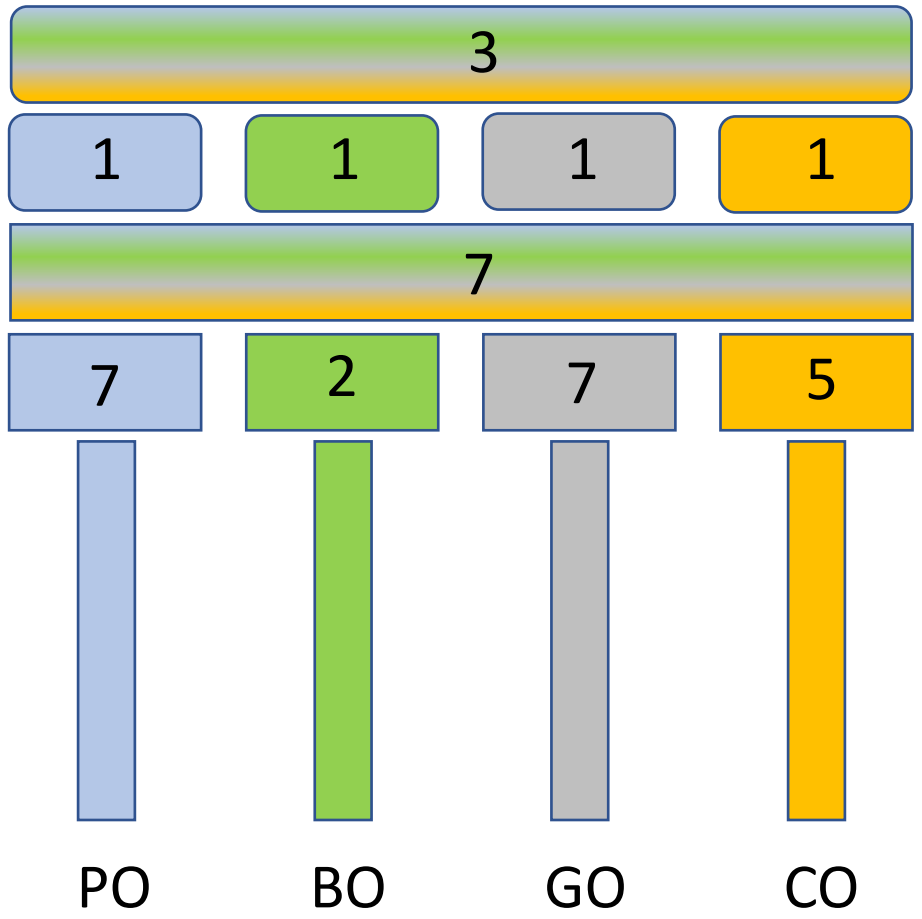
Present Course Framework

Special Studies
Independent Study

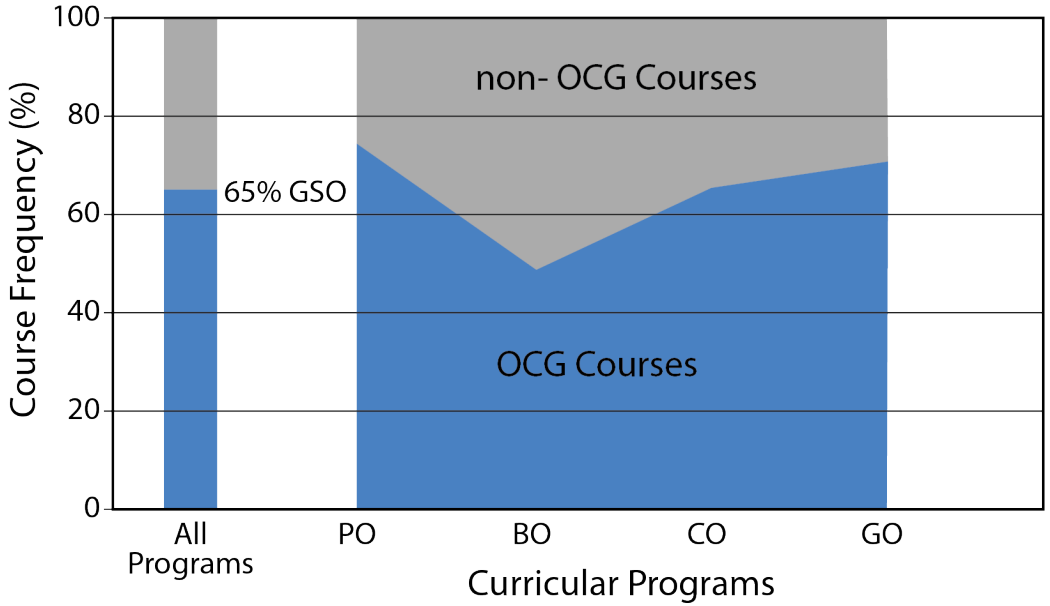


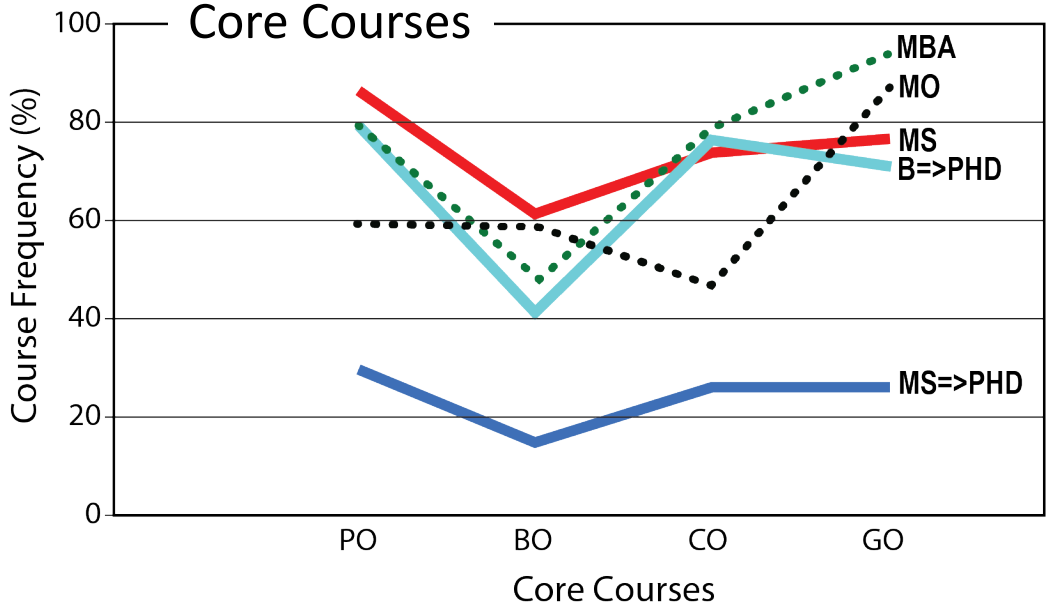
Degree Requirements

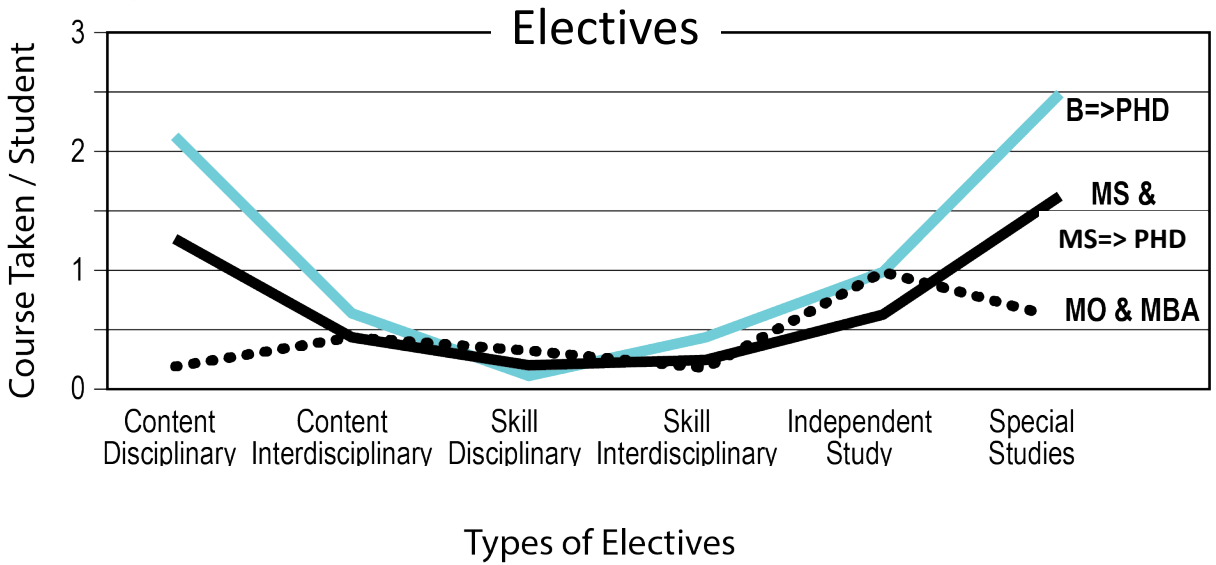
MS				
Courses	Biology	Chemistry	Geology	Physics
Seminar	2	2	2	2
Phys. Oce. (501)	3	3		3
Chem. Oce. (521)	3	3		
Geo. Oce. (540)	4	4		
Bio. Oce. (561)	4	4		
Non MGG			6	
OCG non-PO				
Principles (530)				3
GFD 1 (610)				3
Waves (613)				
Electives	9	9	16	13

B => PhD				
	Biology	Chemistry	Geology	Physics
Seminar	2	2	2	2
			any 2 of 3	
Phys. Oce. (501)	3	3	3	3
Chem. Oce. (521)	3	3	3	
Geo. Oce. (540)	4	4	4	
Bio. Oce. (561)	4	4	4	
Non MGG				
OCG non-PO				6
Principles (530)				
GFD 1 (610)				
Waves (613)				3
Electives	27	27	31	28

GSO Student Course Patterns

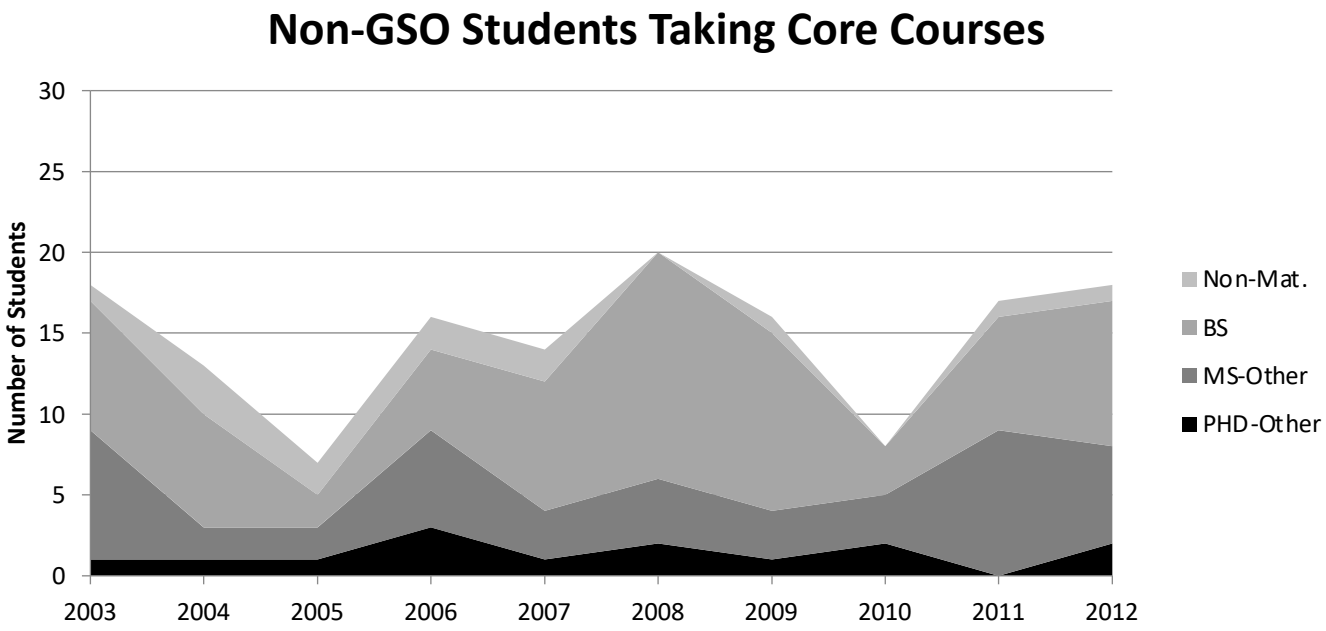


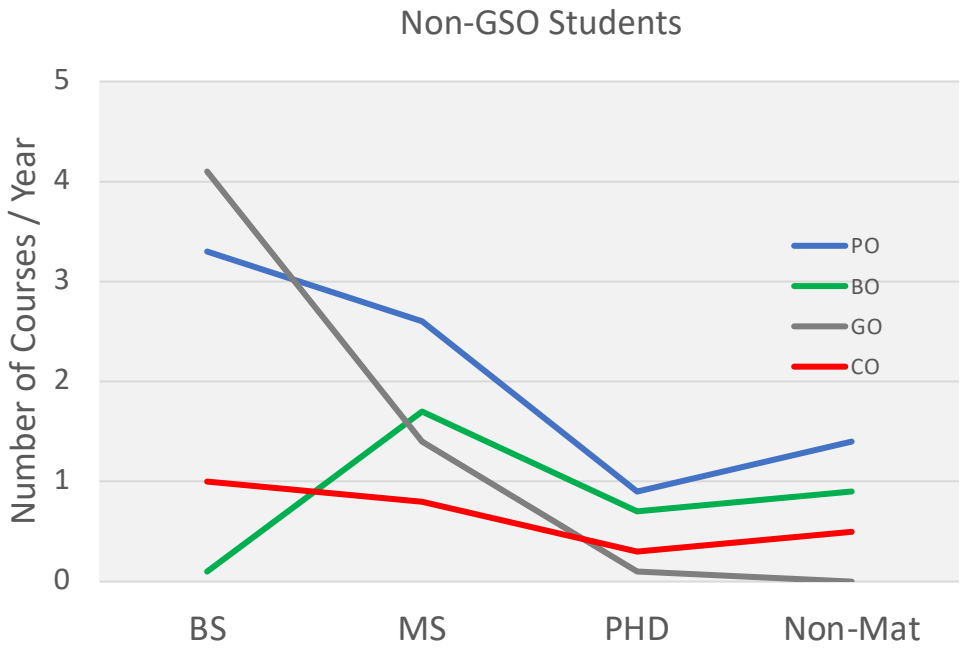




Data source: Student Transcripts (2002 – 2018)

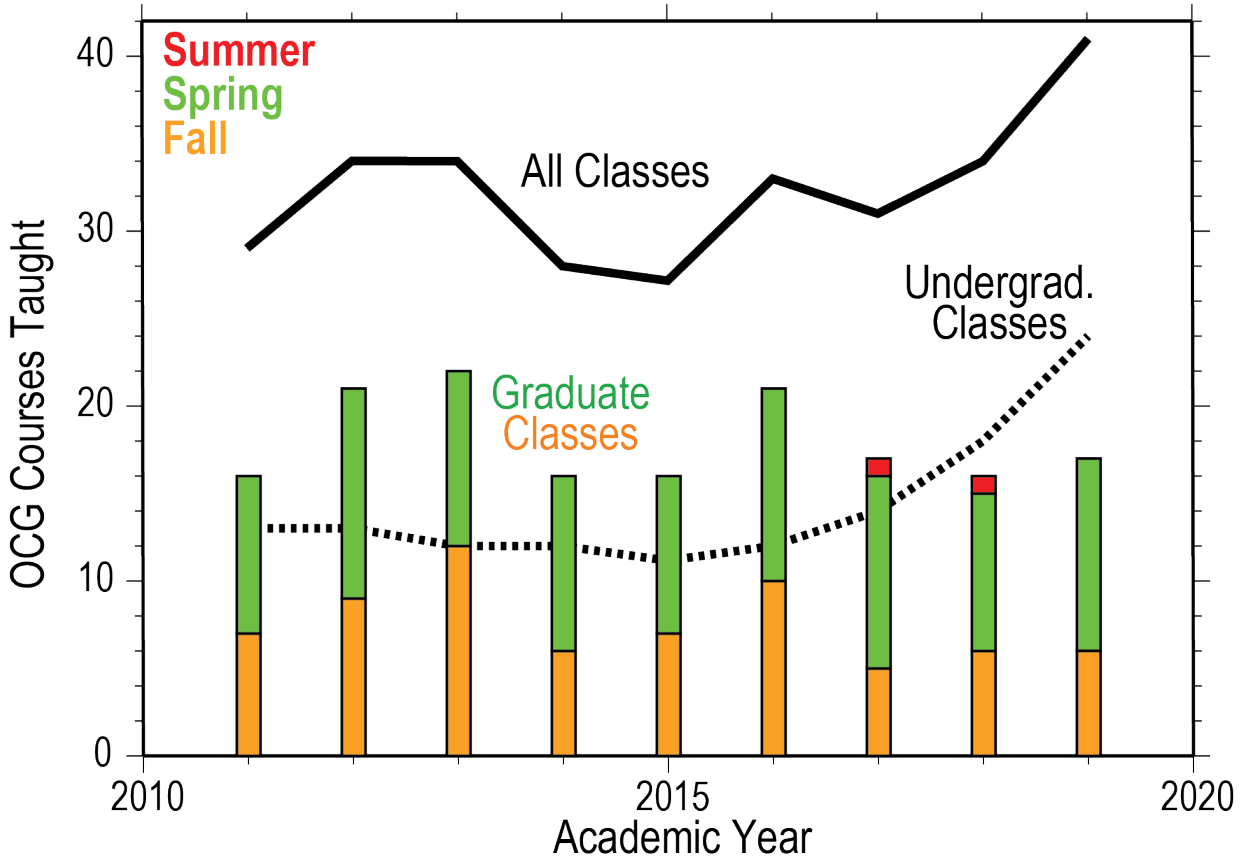
Non-GSO Student Course Patterns (2003 to 2012)





Data source: Meredith Clark Student Database

GSO Faculty Teaching Patterns



34 Faculty	Teaching Load	
-Bontempi	0	
-Ballard	0	
-Walsh	0.75	
-Smith	0.75	
-Soule	0.75	
-McConnell	6	
28 remaining *1.5	42	
sabbatical correction	35	
	43.25	Courses/year

Data source: Student Transcripts (2002 – 2018)

Example Course Framework Model?

Student Population Distribution

10-year record of students taking core courses					
21	PO	MGG	CO	BO	
PhD	2	3	1	3	19
MS	2	3	2	3	
MO	0	0	0	0	2
Non-GSO	8	6	3	3	20

Input for model					
21	PO	MGG	CO	BO	
PhD	2	3	1	3	19
MS	2	3	2	3	
MO	0	0	1	1	2
Non-GSO	8	6	3	3	20

Types & Numbers of Courses

Scheduling

Students	Course List	Calendar of Courses						MS/MO Programs											
		Each Year		Odd Year		Even Year		Year1		Year 2		Year1		Year 2		Year1		Year 2		
		Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	#
21	695 Seminar	695 Seminar	695 Seminar					1	1			1	1			1	1			
21	Foundation I	Foundation I						4				4				4				
21	Foundation II		Foundation II						4				4				4			
Core Courses																				
12	540 Geo. Oce.	40 Geo. Oce.						4												
12	501 Phys Oce.	01 Phys Oce.										3								
10	521 Chem. Oce.		521 Chem. Oc														3			
11	561 Bio. Oce.		561 Bio. Oce.																4	
Topic Concept																				
6	PO 1				PO 1								3							
6	PO 2					PO 2								3						
6	PO 3						PO 3								3					
4	PO 4					PO 4														
9	MGG 1				MGG 1				3											
9	MGG 2					MGG 2				3										
9	MGG 3						MGG 3				3									
6	MGG 4					MGG 4														
5	CO 1			CO 1												3				
5	CO 2					CO 2											3			
5	CO 3						CO 3													
2	CO 4				CO 4															
10	BO 1			BO 1														3		
10	BO 2					BO 2													3	
10	BO 3						BO 3													3
6	BO 4				BO 4															
Topic Skill																				
6	PO 1					PO 1								3						
4	PO 2				PO 2															
9	MGG 1						MGG 1				3									
6	MGG 2				MGG 2															
5	CO 1					CO 1										3				
2	CO 2			CO 2																
6	BO 1			BO 1																
10	BO 2					BO 2												3		
X-disc. Concept																				
18	Region 1			Region																
18	Process 1					Process														
X-disc. Skills																				
18	Analysis				Analysis															
10	Models						Models													
						Total Credits		9	8	3	6	8	8	6	3	8	8	6	3	
								26				25				25				
																		8	9	6	3
																		26		

Course Catalog Framework

Academic Program Review

1) Do we need a more “scheduled” course catalog?
   - prescribed vs flexible curriculum
   - pro’s & con’s
   - preferred or possible structure/framework

2) Electives
   - number, type, distribution
   - standard vs course of opportunity

3) Interest in rearranging order of core courses
   - e.g., switch GO and BO
   - pro’s & con’s
   - limitations & implications

Note: Next steps will be covered later