

# *Undergraduate Developments*

## *FYER – First Year Eng.'g Redesign*

- previous 3 years – discussion/plans for revision
- meeting with COS led to impasse during Summer
- Susan Ambrose, SVP Undergrad Ed/Experiential got involved
- meeting led to a new proposal for change
- keeps guiding principles of FYER, minimize COS issues

# ***FYER – First Year Eng.'g Redesign Goals – what are we solving?***

- attract more women/URM's to COE
- address changing profile of incoming students (e.g., more AP, want to jump start major)
- better integration of engineering, science, math
- range of majors and programs, diversity of eng.'g careers, large no. of students
- deeper dive in the disciplines in first year  
...but keep common year for switchers

# ***FYER – First Year Eng.'g Redesign Proposed Curriculum Change***

***Current***

Fall	Spring
GE1000 (1 SH)	GE1111 (computation)
GE1110 (Design)	Calc 2
Calc 1	Physics 1
Chem 1	College Writing
NU Core	

- NU Core class - “scraps” left over at orientation
- Physics 1 should stay in Spring due to Calc prereq
- College Writing has to stay in Spring

# ***FYER – First Year Eng.'g Redesign Proposed Curriculum Change***

*Proposed*

Fall	Spring
GE1000 (1 SH)	GE1111 (computation)
GE1200 (Cornerstone 5-8 SH)	Calc 2
Calc 1	Physics 1
Chem 1	College Writing
NU Core	"Exploration slot"

- GE1000 could meet in part of GE1200 timeslot
- Also, Physics 2 (or other science) → Science "Selective"

# ***FYER – First Year Eng.’g Redesign Proposed Curriculum Change***

- Cornerstone: theme-based, 2 disciplines covered (e.g., ME, EE in Energy Systems)
- Dept. based course starts them on major or count as Gen./Tech. elective
- Eliminates NU Core choice problem
- GE1200 increases cohorting
- Science Selective gives more choice

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NU Core	



Fall	Spring
GE1000 (1 SH)	Calc 2
GE1200 (Cornerstone)	Physics 1
Calc 1	College Writing
Chem 1	Exploration slot

# ***FYER – First Year Eng.'g Redesign***

## ***Next Steps***

- Feedback from Depts.
- Start developing Cornerstones
- Pilot with students who would take GE1110 and GE1111 together in Fall '14
- Considerations
  - NUin
  - HTTT

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