



Making a Full Plate Less Full— Finding Time for Research

Dorothy Zinsmeister
University System of Georgia
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Dorothy.zinsmeister@usg.edu



Managing Faculty Workload

- i 3 classes/semester
30 students/class=90 students
15-18 contact hrs/wk
- i 1 class/semester
90-120 students/class
4-7 contact hrs/wk

*** Same number of EFT's



Managing Faculty Workload

- i Department faculty supportive—research a higher priority than in the past
- i Department faculty reluctant—effects on student performance; effects on faculty evaluations



What Did the Data Suggest?

Fall 2000		SCI 1101		21 students	
A	B	C	D	F	W
10%	33%	24%	14%	0%	19%
Fall 2000		SCI 1101		99 students	
15%	39%	21%	11%	7%	6%

GPA=2.47



Another Example

Fall 2000		SCI 1101		60 students	
GPA = 2.91					
A	B	C	D	F	W
23	47	8	7	3	12

Fall 2000		SCI 1101		110 students	
GPA = 2.82					
18	35	26	2	1	16



What Did the Data Suggest? (Biology/Physics)

Fall Semester	Avg. Class Size	Credit Hours
2000	38	2856
2001	38	2920
2002	44	3928
2003	45	5320
2004	48	6580
2005	51	5672
2006	52	5956



What Did the Data Suggest? (Biology/Physics)

Semester	Faculty Research with Students
Fall 2000	1
Fall 2001	7
Fall 2002	8
Fall 2003	8
Fall 2004	6



What Did the Data Suggest? (Biology/Physics)

Fall Semester	Faculty Publications
2000	9
2001	5
2002	9
2003	14
2004	15
2005	17
2006	13
2007	10



What Did the Data Tell Us? (Biology/Physics)

Grants Submitted

i	FY 2007	14	\$2,784,424
i	FY 2006	8	\$610,162
i	FY 2005	8	\$1,515,848



Conclusions

1. Grade distribution data and student evaluation analysis support little or no change in student performance and student satisfaction
2. Faculty research with students increasing
3. Faculty publications increasing
4. Increasing number of grants submitted



Yet Another Strategy

Biology 4500—Team Research

- i Limited enrollment (6-8 students)
- i Students work on faculty research project
- i Becomes part of faculty member's workload
- i Supplies covered by department budget



Questions?