

Supplement to:

Thompson, E. Marissa, Tobias Dalberg, Elizabeth E. Bruch. 2024. “Gender Segregation and Decision-Making in Undergraduate Course-Taking” Sociological Science 11: 1017-1045.

Table A1. Descriptive statistics of analytic sample of students.

	<b>All</b>		<b>Men</b>		<b>Women</b>	
	Mean/Prop.	SD	Mean/Prop.	SD	Mean/Prop.	SD
Women	.52	.50				
Latest Cumulative GPA	3.62	.35	3.61	.37	3.63	.32
Days on Platform	29.18	23.76	30.50	25.66	27.94	21.76
Considered Courses	32.14	30.60	32.95	32.19	31.39	29.02
Enrolled Courses	6.83	3.24	6.97	3.33	6.70	3.15
STEM Major	.42	.49	.48		.36	
Observations	1610		779		831	

Table A2. Descriptive statistics of analytic sample of courses (n=248,347).

	Mean/Prop.	SD
Course Gender Composition	.46	.19
Degree Gender Composition	.45	.20
Catalog Number	146.24	99.20
Course GPA	3.70	.26
Enrollment	53.97	77.68
Instructor Score	4.29	.41
Intensity Hours	8.76	3.57
Prerequisite	.51	1.02
Prerequisites After	1.98	5.65
Course Units	3.52	.97
STEM Course	.48	.50

Table A3. Fit statistics for single and multi-stage models, by gender.

	<b>Men</b>		<b>Women</b>	
	Single- Stage	Multi- Stage	Single- Stage	Multi- Stage
Log-likelihood (model)	-54335.76	-54036.96	-55051.21	-55041.11
AIC	108675.5	108081.9	110106.4	110090.2
BIC	108694.7	108120.4	110125.7	110128.7
Observations	110736	110736	112337	112337

Table A4. Average marginal effects (AMEs) of degree share women on viewing and enrolling behavior, by gender.

	AME Men		AME Women	
	View	Enroll	View	Enroll
<b>Single-Stage Model</b>				
Degree Share Women		-0.22*** (0.02)		-0.12*** (0.01)
<b>Multi-Stage Model</b>				
Degree Share Women	-0.05*** (0.00)	-0.03** (0.01)	-0.02*** (0.00)	-0.04*** (0.01)

Standard errors in parentheses. \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . All models additionally control for course attributes and include student fixed effects.

Table A5. Average marginal effects at Kanter (1977) cutoffs for degree share women.

	<i>AME</i> Men	<i>AME</i> Women	Second Difference
<b>Degree Share Women</b>			
<i>Consideration Stage</i>			
50% Women → 15% Women	0.09*** (0.01)	0.06*** (0.01)	0.04*** (0.01)
50% Women → 85% Women	-0.02*** (0.00)	0.02*** (0.00)	-0.03*** (0.01)
<i>Choice Stage</i>			
50% Women → 15% Women	0.06*** (0.01)	0.09*** (0.01)	-0.03 (0.02)
50% Women → 85% Women	0.00 (0.01)	0.02 (0.01)	-0.01 (0.02)

Standard errors in parentheses. \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . All models additionally control for course attributes. Second differences indicate the difference between the AME for men and the AME for women.

Table A6. Average marginal effects (AMEs) of course share women on viewing and enrolling behavior, without controlling for degree share women or STEM course indicator.

	AME Men		AME Women	
	View	Enroll	View	Enroll
<b>Single-Stage Model</b>				
Course Share Women		-0.01 (0.00)		0.08*** (0.00)
<b>Multi-Stage Model</b>				
Course Share Women	-0.05*** (0.00)	0.05*** (0.01)	0.05*** (0.00)	0.08*** (0.01)

Standard errors in parentheses. \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . All models additionally control for course attributes (not including degree share women and STEM course indicator) and include student fixed effects.

Table A7. Average marginal effects at Kanter (1977) cutoffs for course share women, without controlling for degree share women or STEM course indicator.

	AME Men	AME Women	Second Difference
<b>Course Share Women</b>			
<i>Consideration Stage</i>			
50% Women → 15% Women	0.01 (0.00)	-0.12*** (0.00)	0.13*** (0.01)
50% Women → 85% Women	-0.12*** (0.00)	-0.05*** (0.00)	-0.07*** (0.01)
<i>Choice Stage</i>			
50% Women → 15% Women	-0.12*** (0.01)	-0.19*** (0.01)	0.07*** (0.01)
50% Women → 85% Women	-0.01*** (0.02)	-0.08*** (0.01)	-0.02 (0.02)

Standard errors in parentheses. \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ . All models additionally control for course attributes (not including degree share women and STEM course indicator). Second differences indicate the difference between the AME for men and the AME for women.



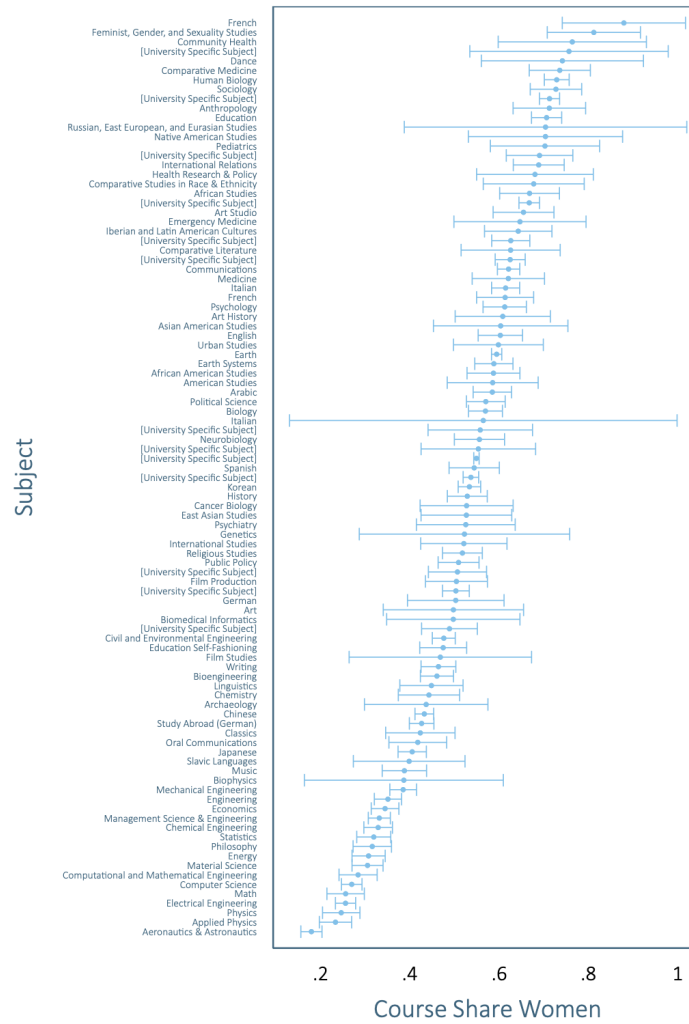


Figure A1. Course gender compositions, by course subject.

*Note:* We have blinded the names of some subjects to protect the privacy of the case university from which these data are drawn.

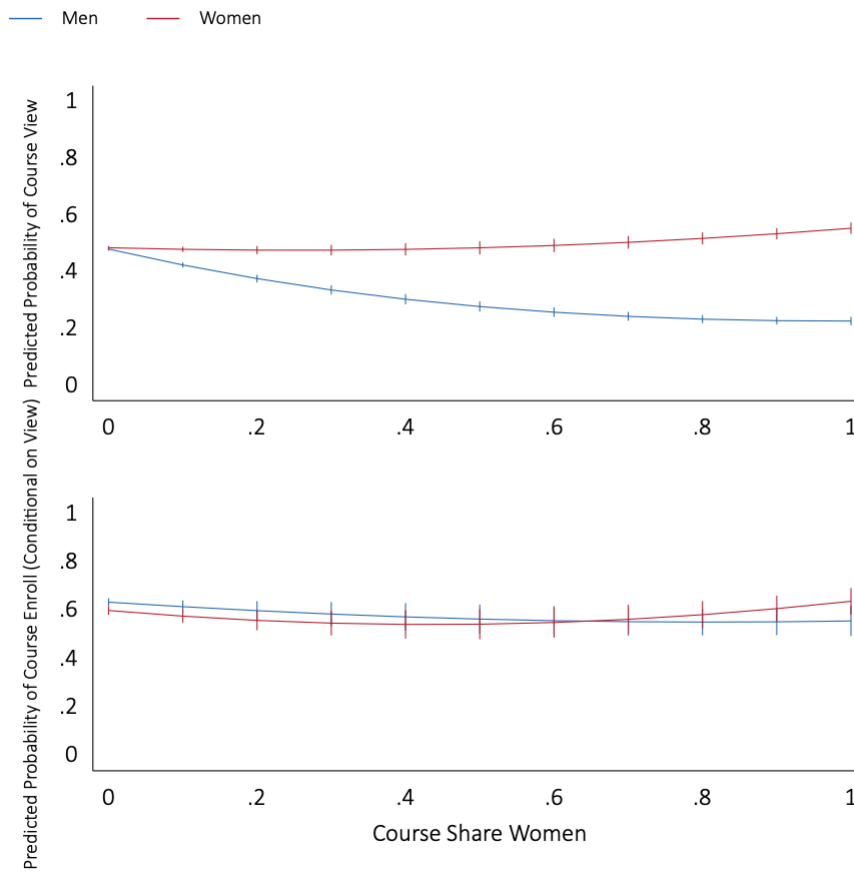


Figure A2. Predicted probability of consideration and choice for men and women, by degree share of women.

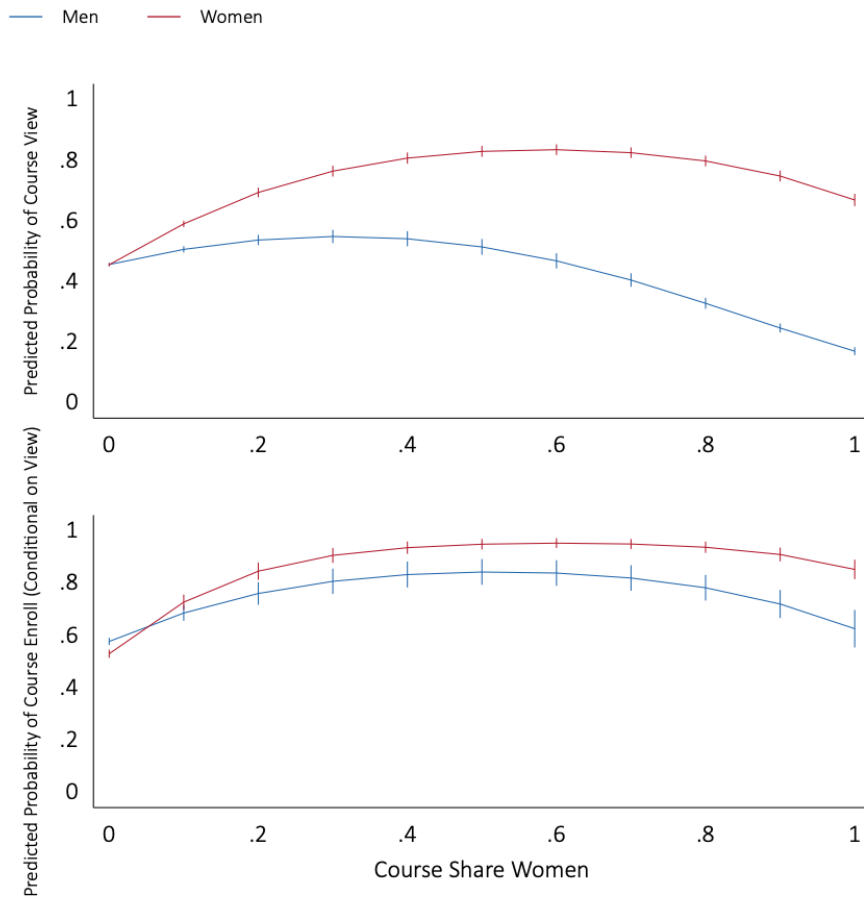


Figure A3. Predicted probability of consideration and choice for men and women, by course share of women (without controlling for degree share of women or STEM course indicator).