

QUESTION: Is SEAS being deployed successfully?

Table 1: Student Early Alert System (SEAS) End-of-Term Fall 2018 (COURSE LEVEL Univariate)

565 class sections, 312 instructors (unique headcount) & 9,087 students (unique headcount, 81.5% of census UG degree bound students)

College/Department	Section counts	% students		Mean # of students per class	% students	
		enrolled	at risk		enrolled	at risk
Total	565	100%	22.1%	29.9	5.8	22.1%
Business	99	17.5%	19.8%			
Education	49	8.7%	18.0%			
Engineering	63	11.2%	23.6%			
Fine Arts	36	6.4%	17.3%			
Health Professions	71	12.6%	16.6%			
LAS Humanities	86	15.2%	27.4%			
LAS Natural Sciences & Math	50	8.8%	32.9%			
LAS Social Sciences	101	17.9%	18.2%			
LAS Other	7	1.2%	67.6%			
Other College Units (Honors/IIC)	3	0.5%	11.4%			
(see SEAS College Division Participation Report for department counts)						

Class Dimensions:		% students		Class Dimensions:		% students	
Section Counts		at risk		Section Counts		at risk	
Course number group:		100%		Class Type:		100%	
0 thru 99	7	1.2%	56.9%	Lecture	489	87%	22.2%
100 thru 199	158	28.0%	23.1%	Lab	25	4.4%	15.7%
200 thru 299	95	16.8%	24.2%	Experiential	16	2.8%	17.9%
300 thru 399	132	23.4%	21.1%	Activity Course	15	2.7%	20.1%
400 thru 499	72	12.7%	16.0%	Seminar	13	2.3%	28.7%
500 thru 599	31	5.5%	22.3%	Other	7	1.2%	22.3%
600 thru 699	38	6.7%	21.6%	Delivery Method:		100%	
700 thru 799	13	2.3%	15.1%	HYB Hybrid	52	9.2%	17.5%
800 thru 899	19	3.4%	25.3%	HYO Hybrid Online	3	0.5%	low count
900 thru 999	0	0.0%		IIE Internet Only	155	27.4%	21.5%
Time of day:		100%		TCI Traditional Classroom	355	62.8%	22.9%
morning	220	38.9%	21.8%	General Education:		100%	
afternoon	107	18.9%	20.8%	non Gen Ed	415	75.9%	22.3%
evening	72	12.7%	23.6%	Gen Ed Introduction	82	15.0%	22.5%
arranged	166	29.4%	22.7%	Gen Ed Further Study	50	9.1%	23.4%
Meetings per week:		100%		Gen Ed I & P	18	3.3%	12.0%
meets 1 weekday	96	25.0%	17.4%	Basic skills:		100%	
meets 2 weekdays	256	66.7%	20.9%	Basic Skills crs	67	11.9%	20.2%
meets 3 weekdays	23	6.0%	37.6%	Non Basic Skills crs	498	88.1%	22.3%
meets daily	9	2.3%	53.6%	Instructor Type:		100%	
Day of class:		100%		Faculty	385	68.1%	22.1%
Monday only	24	6.0%	20.1%	Lecturer	61	10.8%	16.4%
Tuesday only	24	6%	13.5%	GTA	77	13.6%	25.3%
Wednesday only	14	4%	14.9%	Unclassified	42	7.4%	24.1%
Thursday only	25	6%	18.5%				
Mon & Wed	115	29%	23.3%				
Tues & Thur	141	35%	18.9%				
Mon, Wed, Fri	19	5%	36.8%				
other	37	9%	22.1%				

Summary: With 81.5% of all degree bound undergraduate students in a SEAS participating class, deployment of SEAS is exceeding expectations, especially given this is a voluntary commitment by faculty. Review of the class dimensions reflect participation in nearly every level of measurement from across colleges, course levels, time and day of week, class types and methods, general education and basic skills and instructor type. A notable increase this year was an increase in GTAs who now are equivalent to lecturers in participating SEAS classes, especially important given the concentration of GTAs in lower level course offerings.

QUESTION: Is there a relationship between SEAS risk and at-risk populations and does SEAS change behavior?

Table 2: Student Early Alert System (SEAS) End-of-Term Fall 2018 (STUDENT LEVEL Bivariate)
 (sample: unique count 9,087 students in SEAS participating classes; source: end of term data from BIPMS SS_SEAS)

All Students in SEAS courses at end of term (includes undergraduate and graduate)

total students	not at-risk	at-risk	% at-risk	Risk type:	of all eligible SEAS stds	of those marked at-risk	% removed from at-risk after notification
9,087	6,819	2,268	25.0%	attendance	8.5%	33.2%	30.4%
65.3% of Fall 2018 census degree bound students (UG & GR)				participation	7.6%	29.8%	33.3%
8,505	6,326	2,179	25.6%	assignments	15.0%	58.5%	25.2%
81.5% of Fall 2018 census degree bound students undergraduate				DC 10.015 0 Td[as]-1(u)-7.239 0 Td[8.]	-9.68.sasu	7.617	

Table 3: Student Early Alert System (SEAS) End-of-Term Fall 2018 (Multi-variate Analysis)

Predictors (predicting end of term class gpa)	unstd beta	std beta	sig.	share of unique
SEAS Risk dimensions:				
attendance risk (0,1)	-0.233	-0.076	0.000	4.0%
Demographics:				
age in years	n/a (student earned hours is proxy)			
female (0,1)	0.114	0.043	0.013	1.2%
under-represented minority* (0,1)	not significant			
first generation (0,1)	not significant			
low income <= 125				
