2008 EBI Senior Exit Survey

Slight change in Select 6
        UT-Austin, Northwestern, Auburn, Carnegie Mellon
        U, U of Southern California, -*MIT*, +UC-San Diego
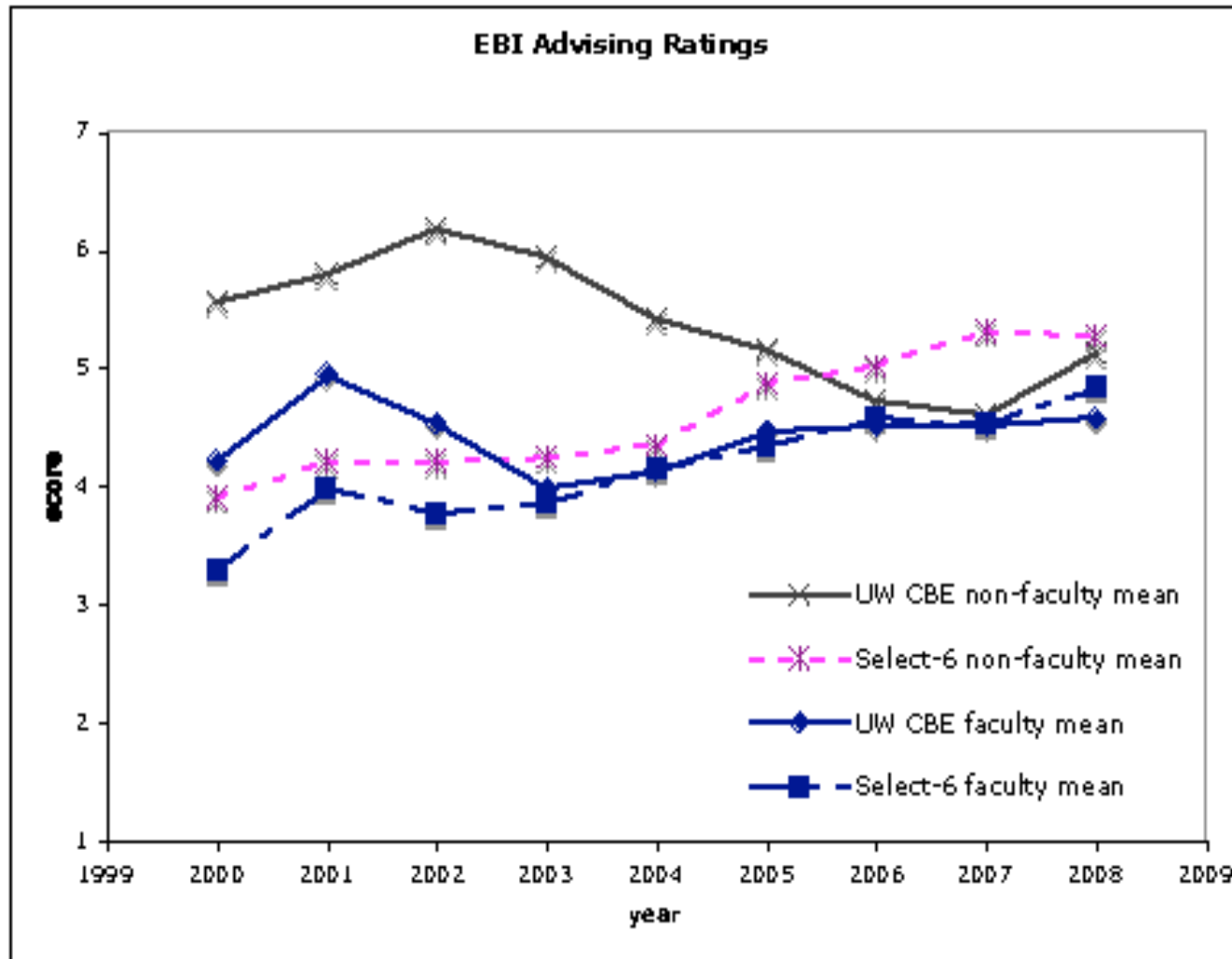
Ongoing Items: Advising - chart
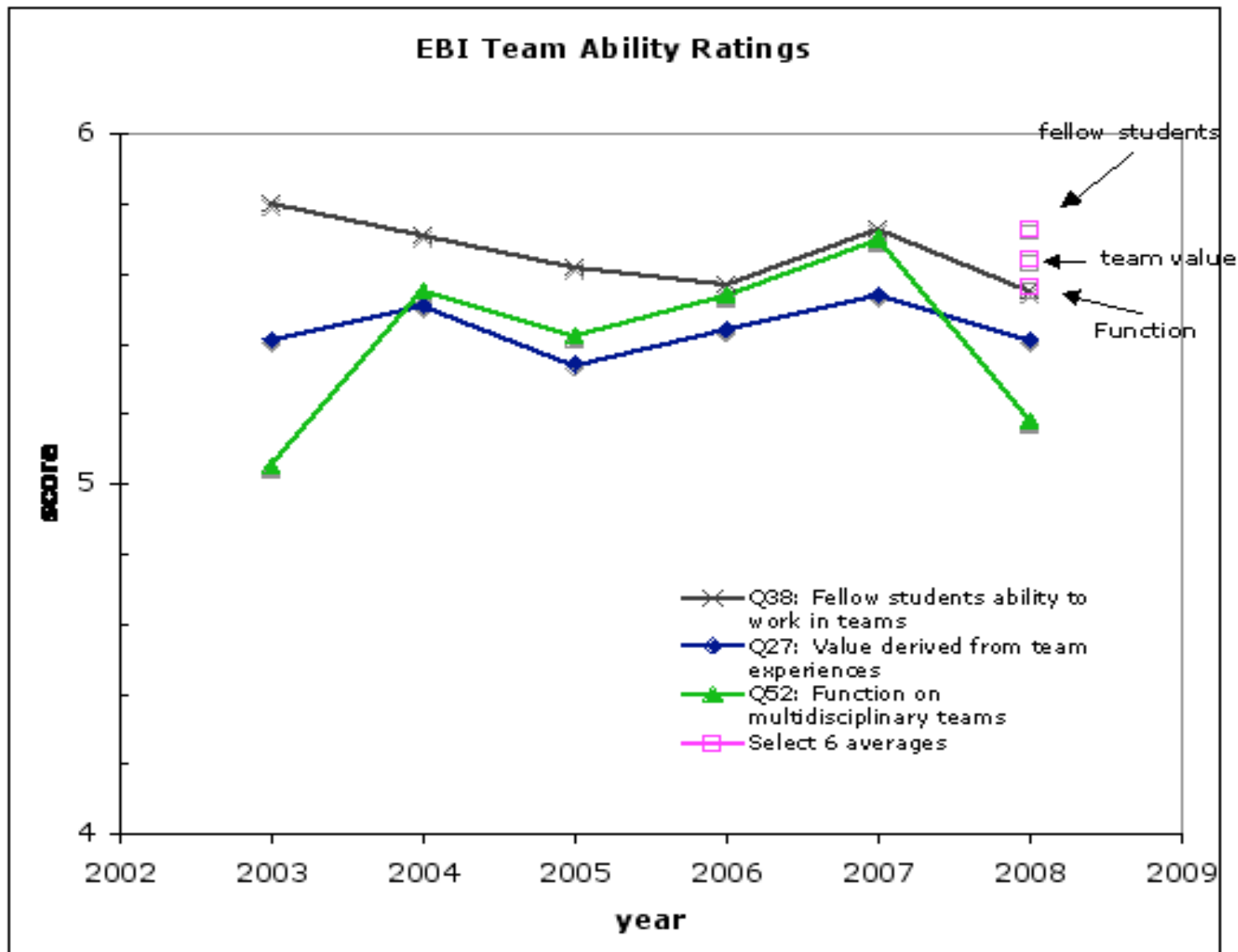   Physics - back down
                              Teamwork - chart

New Items: concern with quality of education,
        faculty access, responsiveness

Advising

Teamwork

EBI Team Ability Ratings

University of Wisconsin-Madison

Highest and Lowest Mean Questions for Engineering Major: Chemical

The following questions are the highest mean questions for University of Wisconsin-Madison	# Responses	Mean	Std
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Apply knowledge of mathematics	38	6.37	0.7
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Apply knowledge of science	38	6.34	0.7
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Apply knowledge of engineering	38	6.18	1.1
Advising/Computing - Advising/Computing - Satisfaction with: Quality of computing resources	38	6.18	0.7
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Solve engineering problems	38	6.13	0.8
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Analyze and interpret data	38	6.05	0.9
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Use modern engineering tools specific to your	38	6.00	0.9
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Design a system, component, or process to meet	38	5.97	0.8
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Conduct experiments	38	5.89	0.9
System Design - To what degree did your system design experience address the following: Addressed Economic Issues	38	5.89	1.1
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Built on skills from previous course work	38	5.87	0.8
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Identify engineering problems	38	5.84	0.9
Satisfaction with: Average size of major courses	38	5.84	1.1
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Communicate using written progress reports	37	5.81	1.1
Career Services - Career Services - Satisfaction with: Assistance in preparation for permanent job search	36	5.78	1.1

The following questions are the lowest mean questions for University of Wisconsin-Madison	# Responses	Mean	Std
System Design - To what degree did your system design experience address the following: Addressed Political issues.	37	3.65	1.4
Satisfaction with: Amount of work required of in major courses	38	3.92	1.3
Course work in your Engineering major - Instruction and Faculty in your Major Course Work - Quality of: Feedback on assignments (other than grades)	38	4.08	1.4
Satisfaction with: Opportunities for interaction with practitioners	36	4.11	1.3
Satisfaction with quality of teaching in required course work (if course not taken on this campus, select "not applicable"): Physics	34	4.12	1.3
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Pilot test a component prior to implementation	32	4.19	1.4
System Design - To what degree did your system design experience address the following: Addressed Social issues	37	4.27	1.3
Course work in your Engineering major - Instruction and Faculty in your Major Course Work - Quality of: Student/Faculty interaction	38	4.34	1.3
Career Services - Career Services - Satisfaction with: Access to school's alumni to cultivate career opportunities	35	4.37	1.5
Satisfaction with: Amount of work in relationship to what was learned	38	4.42	1.1
Satisfaction with quality of teaching in required course work (if course not taken on this campus, select "not applicable") Differential Equations	38	4.53	1.3
Advising/Computing - Advising/Computing - Satisfaction with: Academic advising by faculty	38	4.58	1.5
Satisfaction with: Opportunities for practical experiences within Undergraduate curriculum	38	4.66	1.3
System Design - To what degree did your system design experience address the following: Addressed Ethical issues	38	4.71	1.4
How inclined are you to recommend your: How inclined are you to recommend your Undergraduate Engineering Major to a close friend	38	4.89	1.1

University of Wisconsin-Madison

Question Competitive Analysis: Select 6 Comparison for Engineering Major: Chemical

8t Positive Difference Between Your Data and Your Select 6	UW-Madison	Select 6	Differen
Course Comparison - Quality of teaching in your Engineering courses compare to the quality of teaching in Non-Engineering courses on this campus	5.47	4.93	0.54
System Design - To what degree did your system design experience address the following: Addressed Sustainability Issues	5.45	4.92	0.53
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Use modern engineering tools specific to your primary academic major	6.00	5.56	0.44
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Design a system, component, or process to meet desired needs	5.97	5.56	0.41
Advising/Computing - Advising/Computing - Satisfaction with: Quality of computing resources	6.12	5.81	0.31
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Apply knowledge of mathematics	5.37	6.00	0.37
Satisfaction with: Availability of courses in major	5.74	5.38	0.36
Career Services - Career Services - Satisfaction with: Assistance in preparation for permanent job search	5.78	5.49	0.29
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Apply knowledge of science	6.34	6.07	0.27
Satisfaction with: Engineering curriculum: Instructors presentation of technology issues	5.21	4.97	0.24
System Design - To what degree did your system design experience address the following: Addressed Environmental issues	5.53	5.32	0.21
Satisfaction with: Quality of Engineering classrooms	5.26	5.06	0.20
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Solve engineering problems	6.13	5.95	0.18
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Conduct experiments	5.89	5.72	0.17
System Design - To what degree did your system design experience address the following: Addressed Economic issues	5.89	5.75	0.14

8t Negative Difference Between Your Data and Your Select 6	UW-Madison	Select 6	Differen
Satisfaction with: Amount of work required of in major courses	3.82	4.80	-1.0
Satisfaction with quality of teaching in required course work: (if course not taken on this campus, select "not applicable") Physics	4.12	4.79	-0.67
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Communicate using oral progress reports	5.19	5.85	-0.66
Satisfaction with: Amount of work in relationship to what was learned	4.42	5.06	-0.66
Satisfaction with quality of teaching in required course work: (if course not taken on this campus, select "not applicable") Differential Equations	4.53	5.16	-0.63
Career Services - Career Services - Satisfaction with: Access to schools alumni to cultivate career opportunities	4.37	4.98	-0.6
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Pilot test a component prior to implementation	4.19	4.70	-0.5
How inclined are you to recommend your: How inclined are you to recommend your Undergraduate Engineering Major to a close friend	4.89	5.38	-0.4
System Design - To what degree did your system design experience address the following: Addressed Political Issues	3.65	4.13	-0.4
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Function on multidisciplinary teams	5.18	5.64	-0.4
System Design - To what degree did your system design experience address the following: Addressed Ethical Issues	4.71	5.17	-0.4
Course work in your Engineering major - Instruction and Faculty in your Major Course Work - Quality of: Student/Faculty interaction	4.24	4.78	-0.4
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Incorporated engineering standards	5.10	5.56	-0.4
Satisfaction with quality of teaching in required course work: (if course not taken on this campus, select "not applicable") Calculus	5.08	5.52	-0.4
Satisfaction with: Responsiveness to major course instructors to student concerns	4.97	5.39	-0.4

If a section is blank, this means that there were no questions that met those conditions.

University of Wisconsin-Madison

Question Competitive Analysis: Longitudinal Comparison for Engineering Major: Chemical

Most Positive Difference Between This Year's Question Means and Last Year's Question Means	2008	2007	Difference
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Use modern engineering tools specific to our primary academic major	6.00	5.44	0.5
Advising/Computing - Advising/Computing - Satisfaction with: Academic advising by non-faculty	5.12	4.68	0.6
System Design - To what degree did your system design experience address the following: Addressed Environmental issues	5.53	5.02	0.6
How inclined are you to recommend your: How inclined are you to recommend your Undergraduate Engineering Major to a close friend	4.89	4.41	0.4
System Design - To what degree did your system design experience address the following: Addressed Economic issues	5.89	5.42	0.4
Satisfaction with: Quality of Engineering classrooms	5.26	4.85	0.4
Course Comparison - Quality of teaching in your Engineering courses compare to the quality of teaching in Non-Engineering courses on this campus	5.47	5.08	0.3
System Design - To what degree did your system design experience address the following: Addressed Sustainability issues	5.45	5.08	0.3
System Design - To what degree did your system design experience address the following: Addressed Health and Safety issues	5.39	5.06	0.3
Course work in your Engineering major - Instruction and Faculty in your Major Course Work - Quality of: Teaching	5.08	4.71	0.3
Satisfaction with: Engineering curriculum instructors presentation of technology issues	5.21	4.91	0.3
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Design a system, component, or process to meet desired needs	5.87	5.71	0.2
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Apply knowledge of science	6.34	3.08	0.2
Career Services - Career Services - Satisfaction with: Assistance in preparation for permanent job search	5.78	5.54	0.2
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Communicate using oral progress reports	5.19	4.97	0.2

Most Negative Difference Between This Year's Question Means and Last Year's Question Means	2008	2007	Difference
Laboratory Facilities</b - Laboratory Facilities - Degree that laboratory facilities: Fostered student/faculty interaction	5.00	5.67	-0.6
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Function on multidisciplinary teams	5.19	5.73	-0.5
How inclined are you to recommend your: How inclined are you to recommend your Undergraduate Engineering School to a close friend	5.34	5.80	-0.4
Satisfaction with quality of teaching in required course work: (if course not taken on this campus, select "not applicable") Differential Equations	4.53	4.94	-0.4
Satisfaction with: Accessibility of major course instructors outside of class	5.27	5.64	-0.3
Career Services - Career Services - Satisfaction with: Number of companies recruiting on campus	5.63	6.00	-0.3
Satisfaction with: Responsiveness to major course instructors to student concerns	4.97	5.33	-0.3
Satisfaction with quality of teaching in required course work: (if course not taken on this campus, select "not applicable") Physics	4.12	4.47	-0.3
Course work in your Engineering major - Instruction and Faculty in your Major Course Work - Quality of: Student/faculty interaction	4.34	4.67	-0.3
Career Services - Career Services - Satisfaction with: Quality of companies recruiting on campus	5.70	6.03	-0.3
Laboratory Facilities</b - Laboratory Facilities - Degree that laboratory facilities: Established an atmosphere conducive to learning	5.18	5.47	-0.2
Satisfaction with quality of teaching in required course work: (if course not taken on this campus, select "not applicable") Chemistry	5.50	5.75	-0.2
Program Outcomes and Assessment - Skill Development - Degree that engineering education enhanced ability to: Analyze and interpret data	5.05	6.26	-0.2
Comparing the expense to the quality of education, rate the value of the investment made in Undergraduate Engineering program	5.08	5.27	-0.1
Classmates - Satisfaction with characteristics of your fellow students': Ability to work in teams	5.55	5.73	-0.1

If a section is blank, this means that there were no questions that met these conditions.

Decreasing scores

- 50 - analyze and interpret data -.2, at 6.05
- 38 - satisfaction with fellow students on teams -.52

- Lowest absolute
  - Pilot test - 4.17
  - Global and societal context - 4.97

- Decreasing - faculty-related items
  - Lab interactions
  - Availability