

Assessment Report of the Major Field Test Results

Data through Fall 2020

College of Business

COB Shared Outcome #2: Business Knowledge and Application

Outcome Measure: MFT - Direct, Summative, Comparative, External

The Educational Testing Service (ETS) Major Field Test (MFT) in business is a standardized, nationally normed comprehensive exam for knowledge in business. There is a comprehensive (total) score and disciplinary (sub) scores in the following areas:

- Accounting
- Economics
- Management
- Quantitative Analysis
- Finance
- Marketing
- Legal/Social Environment
- International
- Information Systems

Goal (Criteria for Success):

Students will score above the 75th percentile for total score.

Longitudinal Data:

The COB has collected ETS data each semester since the spring of 2006. The MFT has been given in a capstone course of MGT 431 (Strategic Management) except the three semesters (Spring 12 to Fall 13) when it was given in BUS 499 (Senior Paper).

The [ETS Major Field Test for Business](#) (MFT) was given to 30 senior students enrolled in Strategic Management in the Fall of 2020. A summary of the results as compared to previous years is given below.

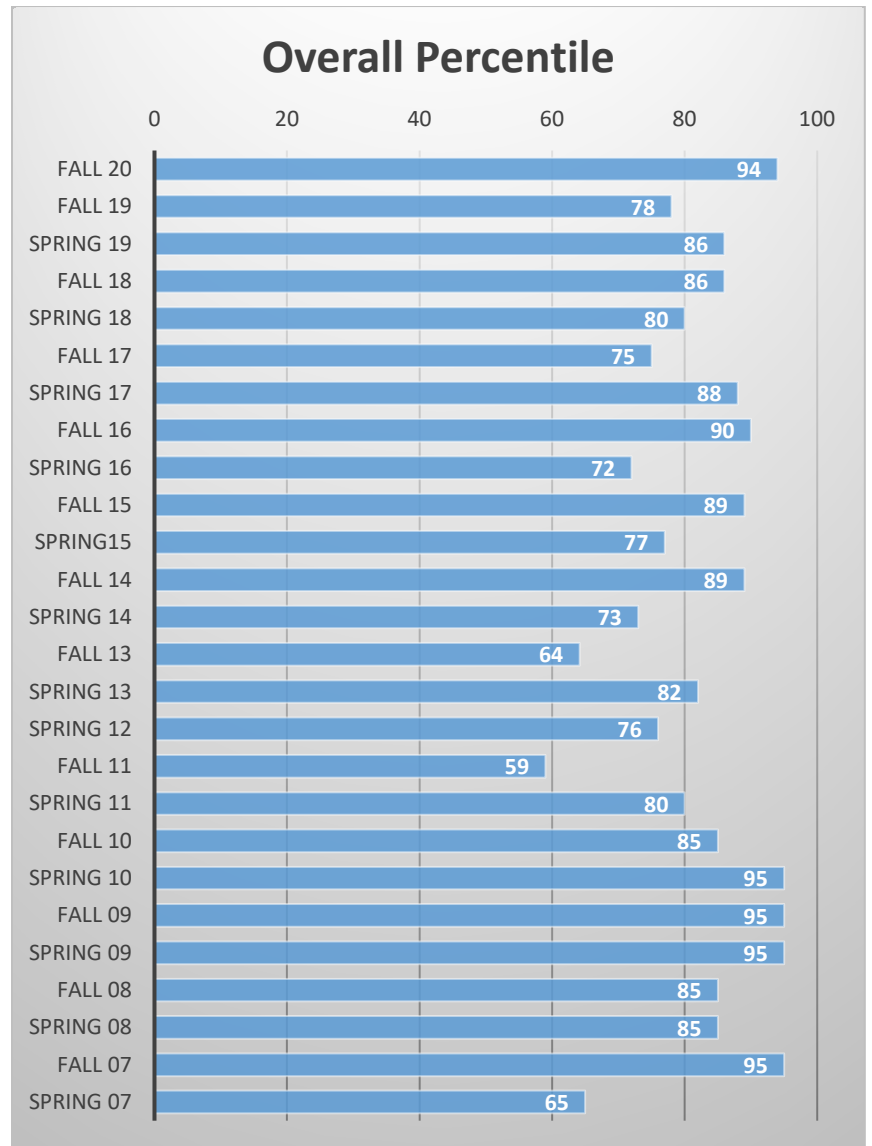
Table 1 shows that in the Fall of 2020, ORU fell in the **94th percentile** as compared to **524** other US colleges and universities who took the test between September 2016 and June 2020. That is, ORU students overall, did better than 94% of all other students taking this exam. This is the highest MFT institutional ranking the COB has received since Spring 2010 (see Figure 1 below).

Note that in the Spring 2020, the MFT was not administered due to the University's COVID response in March 2020 in which students were sent home early. At that time and it was determined that it would be in the student's best interest not to administer the test remotely.

Table 1. Historical MFT Scores for ORU.

Figure 1. Overall Percentiles for ORU over Several Years.

Major Field Test		
Overall		
Semester	Raw Score	Percentile
Fall 20	160	94
Fall 19	155	78
Spring 19	157	86
Fall 18	157	86
Spring 18	156	80
Fall 17	155	75
Spring 17	158	88
Fall 16	159	90
Spring 16	155	72
Fall 15	159	89
Spring 15	156	77
Fall 14	160	89
Spring 14	155	73
Fall 13	154	64
Spring 13	157	82
Spring 12	156	76
Fall 11	153	59
Spring 11	159	80
Fall 10	160	85
Spring 10	165	95
Fall 09	167	95
Spring 09	167	95
Fall 08	160	85
Spring 08	161	85
Fall 07	166	95
Spring 07	155	65



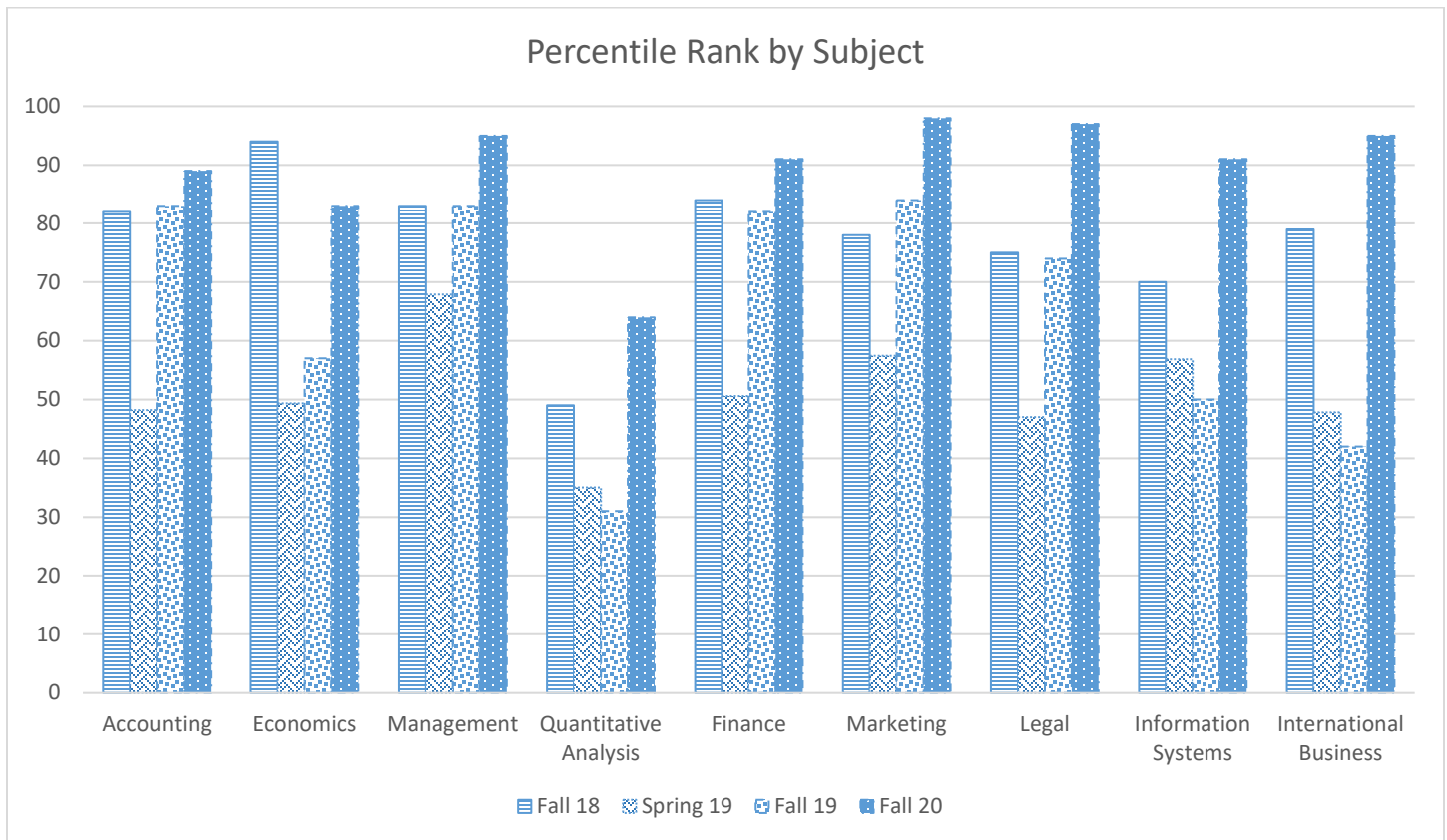
The percentile ranks for all students by subject area are given in Table 2. Six out of the eight subject areas ranked above the 90th percentile for 2020. While lower, the percentile rank for the other subject areas (Accounting, Economics, and Quantitative Analysis) increased considerably over previous years.

Table 2. Major Field Test Results by Subject Area over Several Years.

Major Field Test									
Percentile Rankings by Subject									
Semester	Accounting	Economics	Management	Quantitative Analysis	Finance	Marketing	Legal	Information Systems	International Business
Fall 20	89	83	95	64	91	98	97	91	95
Fall 19	83	57	83	31	82	84	74	50	42
Spring 19	48	49	68	35	51	57	47	57	48
Fall 18	82	94	83	49	84	78	75	70	79
Spring 18	65	68	82	61	57	95	86	66	41
Fall 17	74	83	90	40	57	89	52	46	93
Spring 17	95	91	99	29	84	80	12	83	98
Fall 16	90	91	99	50	95	80	6	63	83
Spring 16	79	82	65	73	82	68	25	40	56
Fall 15	93	87	95	79	94	91	58	56	85
Spring 15	82	76	81	56	77	76	57	55	46
Fall 14	86	89	92	92	88	90	76	60	82
Spring 14	54	30	53	51	79	87	66	60	82
Spring 13	95	66	57	67	83	87	59	65	85
Spring 12	78	90	40	90	74	65	71	55	74
Fall 11	83	74	65	65	55	52	50	40	40
Spring 11	80	90	75	80	70	75	90	40	80
Fall 10	85	95	75	85	80	75	70	40	85
Spring 10	85	95	95	90	90	95	90	80	95
Fall 09	95	95	95	85	95	95	80	40	95
Spring 09	95	95	95	95	95	90	85	55	95
Fall 08	85	90	90	85	85	65	50	35	80
Spring 08	75	95	95	80	75	60	70	45	90

The percentile ranking by subject area for the last four semesters is given in Figure 2. As can be seen in the bar chart, the Percentile Ranks for Fall 2020 increased substantially for Economics over the previous three semesters and for the remaining subject areas over the previous four semesters.

Figure 2. Percentile Rank by Subject for the Last Four Semesters.



Additionally, seven students in the Fall 2020 scored above the 90th percentile overall while 2 student ranked below the 20th percentile.

Table 3. Frequency of Percentile Ranks above the 90th Percentile and below the 20th.

Semester	Percentile	Number	Semester	Percentile	Number
Fall 2020	98-99	1	Fall 2020	16-20	1
	96-97	3		11-15	0
	94-95	2		6-10	1
	92-93	1		1-5	0
	90-91	0			
% of Students		23.3%	% of Students		7%

Table 4 below gives a comparison of students in Majors by question Subject. The highlighted percentile ranks are for specific **Majors by Major questions**. This gives us an indication of how well our Majors are doing in their specific subject areas and shows us where the strengths and weaknesses lie. Note that some Majors were not associated with any specific subject areas.

Table 4. Percentile Ranks for Major Questions by Major.

Major	Number of Students	Question Subject Area – Percentile Rank							
		Accounting	Economics	Management	Quantitative Business Analysis	Finance	Marketing	Legal and Social Environment	Information Systems
Accounting	3	99	88	84	82	97	99	99	
Business Administration	5	93	72	56	56	91	79	99	
Finance	4	89	95	98	78	98	85	96	
International Business	3	2	88	84	64	82	95	1	
International Business & Ministry	2	93	88	99	25	97	99	99	
Management	5	99	72	97	82	76	97	99	
Marketing	8	67	78	99	38	85	99	97	
Quantitative Business Administration	0	--	--	--	--	--	--	--	
Overall Average*		93	83	95	64	89	93	84	
Institutional Average		41	42	38	49	44	44	44	

*Based on average Mean Percent Correct

Considering the major questions answered by the majors in Table 4 above, the Accounting, Management, Finance, Marketing, International Business, and International Business and Ministry majors did very well (90th percentile and above) in answering questions associated with their major area.

Analysis – Conclusions Drawn from the Data:

[Fall 2021] To continue improvements in this knowledge outcome, take the following steps:

- Continue to take the MFT exam every fall and spring semester;
- Continue to offer the MFT in a capstone course;
- Allow faculty to review the MFT to suggest curriculum changes;
- Break out and analyze data by major;

[Spring 2021] Goal was met

Additional Analysis:

- Business Administration majors ranked low in Management and Quantitative Analysis (56th percentiles, each);
- International Business Majors and International Business & Ministry majors ranked in the 1st percentile in Legal and Social Environments and Information Systems;
- International Business & Ministry and Marketing majors ranked in the 25th and 38th percentiles in Quantitative Business Analysis, respectively.
- Cross tabulations of Ethnicity and Gender for Average Percentile Ranks emphasize the effect of Gender on Average Percentile Ranks with self-reported White Ethnic students scoring considerably higher than self-reported non-White Ethnic groups.
- English language speakers performed better than students whose best language was not English. These findings may prove to be a trend, but further study is needed to determine if the MFT is biased towards English speaking White students.
- It is recommended that the MFT be researched for ethnic bias.

[Fall 2020] Goal was met.

Due to lower spring scores, consensus was reached in recommending that a 2.4 GPA pre-requisite for the capstone course in which the test is administered be implemented in fall 2021. Lower performing students were highly correlated with low GPA's. Since a 2.5 GPA is required to graduate, a GPA requirement for the capstone course was supported by faculty.

[Fall 2019] Goal was met.

Legal and Information Systems are showing improvement as a result of hiring a full-time lawyer and initiating a review of Information Systems in Senior Seminar.

[Fall 2017] Goal was met.

Consider purchasing the option from ETS that analyzes responses by students in major, to questions in the major, to provide great analytic ability in understanding areas for improvement.

[Spring 2017] Goal was met.

Legal and Information Systems are a resource issue. We offer two courses in Business Law which are taught by an adjunct professor. It has proven challenging to hire adjunct professors, who are successful lawyers, have the correct spiritual fit, and have similar teaching skills as our full-time professors. We do not have any faculty in information systems. It is recommended that we hire a full-time lawyer to teach the Business Law courses and add an information systems review to the Senior Seminar course.

Actions Taken:

[Fall 2021] A 2.4 GPA pre-requisite for the capstone course in which the test is administered was implemented this fall. Lower performing students were highly correlated with low GPA's. Since a 2.5 GPA is required to graduate, a GPA requirement for the capstone course was supported by faculty.

Due to the large number of international students in the ORU student body and the correlations between ethnicity and performance, research has begun to determine if the MFT might be biased (whether intentionally or unintentionally) towards the White ethnicity group.

[Fall 2018] A full-time lawyer was hired and was targeted to teach Business Law. An Information Systems review was added to the Senior Seminar course where review of business topics takes place in preparation for entering the market.

[Spring 2018] Results by major for questions in the major was purchased from ETS. It has provided more granular analysis of performance issues. Most recent results are now provided in this report. Longitudinal data is provided in the major program reports.

Comments, concerns, and/or suggestions on how to improve the MFT scores: Please email to Dr. Baker (abaker@oru.edu) or Dr. Huntley (jhuntley@oru.edu).

