

# Course Placement Service Report



**SOUTHERN ARKANSAS UNIVERSITY (0142)**  
**Magnolia, AR**

**Placement Group:** OFF-CAMPUS

**Subject Area:** Reading

**Data Cohort:** 20142015

**Date of Report:** August 10, 2016

Table of Contents

Page

**Reading**

OFF-CAMPUS	1
Summary of Placement Variables by Course	2
Summary of Course Outcomes	3

**PSYCHOLOGY**

ACT Reading Score	4
High School Social Studies Grade Average	6
ACT Reading Score	7
and High School Social Studies Grade Average	
Logistic Regression Weights and Correlations	8

# **Course Placement Report**

Information for Making Placement Decisions

**Placement Group:** OFF-CAMPUS

### Summary of Placement Variables

This table summarizes the placement variables used in requested analyses for each reference course. The table shows number of students, mean value, and standard deviation.

The descriptive statistics for course completers are based on students who receive A-F grades. However, if you chose to treat W grades as unsuccessful outcomes, the statistics will also include students with W grades.

		OFF-CAMPUS			Students who completed course		
Reference course	Placement variable	N	Mean	SD	N	Mean	SD
PSYCHOLOGY	ACT Reading Score	122	20.8	5.2	43	19.9	5.0
	High School Social Studies Grade Average	105	3.5	0.5	38	3.5	0.5
	ACT Reading Score and High School Social Studies Grade Average	105	20.7 3.5	5.3 0.5	38	19.4 3.5	4.7 0.5

### Summary of Course Outcomes

This table summarizes the course outcomes used in requested analyses for each reference course.

The table shows number of students, mean course grade, standard deviation, percent B or higher, percent C or higher, total of just W and I grades, and W grades not treated as successful.

		Grades used in analysis						
Reference course	Placement variable	N	Mean	SD	Percent B or higher	Percent C or higher	Total of W and I grades	W grades treated as not successful
PSYCHOLOGY	ACT Reading Score	43	2.3	1.4	44	72	4	Yes
	High School Social Studies Grade Average	38	2.3	1.5	45	74	4	Yes
	ACT Reading Score and High School Social Studies Grade Average	38	2.3	1.5	45	74	4	Yes

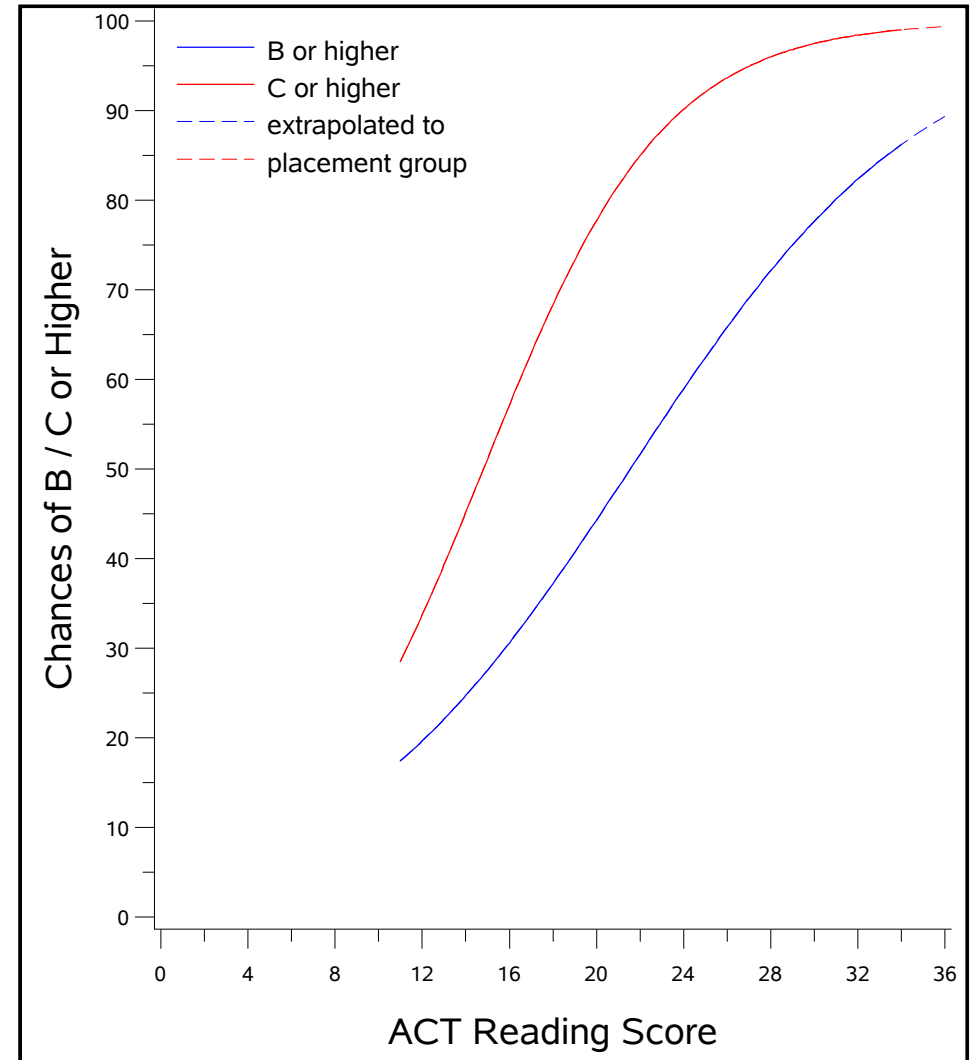
This table and graph report students' chances of achieving a B / C or higher in PSYCHOLOGY, given their ACT Reading Score. For example, the chance that a student with an ACT Reading Score of 24 would obtain a B or higher in PSYCHOLOGY is 59%.

If present, the boldface scores labeled as Opt. B and Opt. C in the table show the cutoff scores that are associated with the maximum accuracy rate. The information in the table and graph can be used to advise students about their chances of success in PSYCHOLOGY.

**Chance of Success in PSYCHOLOGY,  
Given ACT Reading Score**

ACT Reading Score		Chance of success (B or higher)	Chance of success (C or higher)
Opt. B	36	89	99
	34	86	99
	32	82	98
	31	80	98
	30	78	97
	29	75	97
	28	72	96
	27	69	95
	26	66	94
	25	62	92
	24	59	90
	23	55	88
	<b>22</b>	52	85
	21	48	82
	20	44	78
Opt. C	19	41	73
	18	37	68
	17	34	63
	16	31	57
	<b>15</b>	28	51
	14	25	45
	13	22	39
	12	20	34
	11	17	29

**Chance of Success in PSYCHOLOGY,  
Given ACT Reading Score**



### Placement Information for PSYCHOLOGY Using ACT Reading Score

This table shows the effects of using different ACT Reading Score cutoffs in PSYCHOLOGY. For example, if you were to require students to have an ACT Reading Score of at least 24 to be placed into PSYCHOLOGY, then you would expect:

- about 75% of your students would be placed in a lower-level course
- about 63% of your placement decisions would be correct
- about 70% of those placed in PSYCHOLOGY would obtain a B or higher

ACT Reading Score			B or higher		C or higher	
		Percent placed in lower-level course	Accuracy rate	Success rate	Accuracy rate	Success rate
	36	98	54	89	26	99
	34	97	55	88	28	99
	32	96	56	87	29	99
	31	94	57	85	30	99
	30	93	58	83	32	98
	29	92	58	82	33	98
	28	90	59	81	34	98
	27	89	60	79	36	98
	26	85	61	76	39	97
	25	80	62	72	43	95
	24	75	63	70	47	95
	23	70	63	68	50	93
Opt. B	<b>22</b>	<b>62</b>	<b>64</b>	<b>64</b>	56	92
	21	47	63	59	66	89
	20	42	62	58	69	88
	19	36	61	57	71	86
	18	26	59	54	75	84
Opt. C	17	20	57	52	<b>77</b>	<b>82</b>
	16	15	55	51	<b>77</b>	<b>81</b>
	<b>15</b>	10	53	50	<b>77</b>	<b>79</b>
	14	7	51	49	<b>77</b>	<b>78</b>
	13	2	49	48	76	76
	12	2	48	48	76	76
	11		47	47	75	75

If present, the shaded rows highlight the optimal cutoff scores (i.e., those that lead to the highest percentage of correct placement decisions).

**Chance of Success in PSYCHOLOGY, Given High School Social Studies Grade Average**

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.  
(38 observations were provided.)*



**Chance of Success in PSYCHOLOGY, Given ACT Reading Score and High School Social Studies Grade Average**

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.  
(38 observations were provided.)*

### Logistic Regression Weights and Correlations

This table contains the estimated logistic regression weights used to calculate the chances of success in each course. The weights associated with each set of placement variables are shown with the corresponding significance level (p-value). This information can be used to calculate the chances of success for a given student.

A p-value is an estimate of the probability that a regression weight of magnitude equal to that reported in the table would occur by chance if the true regression weight were 0; the smaller the p-value, the more highly "statistically significant" the regression weight is. The correlation between the placement variables and course grades also is listed.

		B or higher		C or higher		
Course	Placement variable(s)	Logistic regression weight	P-value	Logistic regression weight	P-value	Correlation
PSYCHOLOGY	Intercept	-3.18		-3.57		
	ACT Reading Score	0.15	0.0472	0.24	0.0143	0.44
	Intercept					
	High School Social Studies Grade Average					
	Intercept					
	ACT Reading Score and High School Social Studies Grade Average					