

COURSE VALIDATION STUDY

Target Course: OT 207
Prerequisite: ENGL 101 & OT 101

The following is statistical data on the validation of the following course prerequisite:
Successful completion of ENGL 101 and OT 101 as a prerequisite for OT 207.

OT 205 SUCCESS * Completed Prerequisites Crosstabulation

Count

		Completed Prerequisites	
		0	Total
SUCCESS	0	12	12
	1	27	27
Total		39	39

Chi-Square Measurement:

The *Chi-Square* measurement tests the hypothesis (*null hypothesis*) that there is “*no difference*” between the two groups. In order to reject this hypothesis and conclude that there is a statistically significant difference between the two groups Chi-Square must be greater than **3.84**. To ensure the validity of the Chi-Square test there is a minimum frequency threshold for a 2x2 table that should be obeyed. If any of the observed frequencies in the cross-tabulation table are **5 or below** than the validity of the Chi-Square measurement is questionable.

CHI-SQUARE = N/A No Analysis could be completed

Fisher’s Exact Measurement:

The *Fisher’s Exact* measurement can be used as an alternative to the Chi-Square measurement where a large sample is difficult to obtain. In order to reject the null hypothesis and conclude that there is a statistically significant difference between the two groups Fisher’s Exact must have a P-value **less than** the standard **.05**.

FISHER’S EXACT = N/A No Analysis could be completed

Ratio:

The ratio to be measured is the ratio of *right response:wrong response*. A *right response* would be nonsuccess in the prerequisite course combined with nonsuccess in the target course or success in the prerequisite course combined with success in the target course. A *wrong response* would be nonsuccess in the prerequisite course combined with success in the target course or success in the prerequisite course combined with nonsuccess in the target course. For the *study ratio* to meet the *ratio criteria* it must be greater than or equal to **2:1**.

RATIO: N/A No Analysis could be completed

Percent increase:

Percent increase is measured by subtracting the percent success before adjusting for the prerequisite from the percent success after adjusting for the prerequisite. For the *study percent increase* to meet the *percent increase criteria* there must be a difference greater than or equal to **10%** in the positive direction.

PERCENT INCREASE: N/A No Analysis could be completed

Summary

No analysis could be completed because there were no students that took the desired prerequisites prior to attempting the target course.