



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Quantitative Reasoning  
**Course Number:** MTH118

### Required Materials

**Textbook(s):** Bennett/Briggs - Using & Understanding Mathematics: A Quantitative Reasoning Approach, 8/e  
 ISBN (instant Access): 9780137575183

**Required Readings:** None

**Additional Materials:** **Desmos:** a free online calculator, you can find the link to Desmos under each assignments folder. **Calculator:** You can also use any scientific calculator. **Word Processor** like Microsoft Word or Google Docs. The school provides you with free copies of Microsoft Office 365.

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

#### 16 Week Calendar

Week	Chapter/Topic/Lab
1	Introduction activities Ch. 2: Approaches to Problem Solving
2	Ch. 2: Approaches to Problem Solving
3	Ch. 3: Numbers in the Real World
4	Due Project #1: Quantitative Reasoning Process Ch. 8: Exponential Astonishment
5	Ch. 9: Modeling Our World
6	Ch. 9: Modeling Our World
7	Due Project #2: M&M Exponential Modeling Ch. 4: Managing Money
8	Ch. 4: Managing Money
9	Ch. 4: Managing Money
10	Due Project #3: Financial Project Ch. 5: Statistical Reasoning

Week	Chapter/Topic/Lab
11	Ch. 5: Statistical Reasoning Start working on Project #4: Survey Project
12	Ch. 5: Statistical Reasoning Ch. 6: Putting Statistics to Work
13	Ch. 6: Putting Statistics to Work Ch. 7: Probability: Living with the Odds
14	Due Project #4: Survey Project Ch. 7: Probability: Living with the Odds Start working on Project #5: Correlation & Linear Regression Modeling
15	Project/Catch up with assignments
16	Due Project #5: Correlation & Linear Regression

#### 8 Week Calendar

Week	Chapter/Topic/Lab
1	Introduction activities Ch. 2: Approaches to Problem Solving
2	Ch. 3: Numbers in the Real World Due Project #1: Quantitative Reasoning Process Ch. 8: Exponential Astonishment
3	Ch. 9: Modeling Our World
4	Due Project #2: M&M Exponential Modeling Ch. 4: Managing Money
5	Ch. 4: Managing Money Due Project #3: Financial Project Ch. 5: Statistical Reasoning
6	Ch. 5: Statistical Reasoning Start working on Project #4: Survey Project Ch. 5: Statistical Reasoning Ch. 6: Putting Statistics to Work
7	Ch. 6: Putting Statistics to Work Ch. 7: Probability: Living with the Odds Due Project #4: Survey Project Ch. 7: Probability: Living with the Odds Start working on Project #5: Correlation & Linear Regression Modeling
8	Project/Catch up with assignments Due Project #5: Correlation & Linear Regression