College of Sciences
Academic Learning Compacts

Mathematics - B.S.

**Discipline Specific Knowledge, Skills, Behavior and Values**

1. Students in introductory mathematics courses will learn basic concepts of functions and mathematical structures.

2. Students in introductory and mid-level mathematics courses will learn basic concepts of mathematical proof.

3. Students in advanced mathematics courses will master concepts of mathematical proof.

4. Students in mid-level mathematics courses will master concepts of functions and mathematical structures.

5. Students in advanced algebra courses will master concepts of functions involving high-level concepts.

6. Students in advanced algebra courses will master concepts of mathematical structures involving high-level algebraic concepts.

7. Students in advanced analysis courses will master concepts of functions involving high-level concepts.

8. Students in advanced analysis courses will master concepts of mathematical structures involving high-level analytic concepts.

**Critical Thinking**

1. Students in introductory mathematics courses will learn basic concepts of functions and mathematical structures.

2. Students in introductory and mid-level mathematics courses will learn basic concepts of mathematical proof.

3. Students in advanced mathematics courses will master concepts of mathematical proof.

4. Students in mid-level mathematics courses will master concepts of functions and mathematical structures.

5. Students in advanced algebra courses will master concepts of functions involving high-level concepts.

6. Students in advanced algebra courses will master concepts of mathematical structures involving high-level algebraic concepts.
7. Students in advanced analysis courses will master concepts of functions involving high-level concepts.
8. Students in advanced analysis courses will master concepts of mathematical structures involving high-level analytic concepts.

Communication
1. Students in introductory and mid-level mathematics courses will learn basic concepts of mathematical proof.
2. Students in advanced mathematics courses will master concepts of mathematical proof.

Assessment of Mathematics - B.S. Outcomes
These outcomes will be assessed using a variety of assessment methods, including:

- Tests
- Projects
- Problem finding and solving
- Papers