

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Blueprint 1

**Prefix and Course Number:** MACH 140

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**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

- Interpret blueprints and sketches
- Interpret symbols and dimensions
- Determine dimensions and tolerances
- Identify the types of lines common to the alphabet of lines

**Course Outline:**

- I. Lines
  - A. The Alphabet of Lines
  - B. Hidden Lines and Center Lines
  - C. Projections Lines, Other Lines and Line Combinations
- II. Views
  - A. Three View Drawings
  - B. Arrangement of Views
  - C. Two View Drawings
  - D. One View Drawings
  - E. Auxiliary Views
- III. Dimension and Notes
  - A. Size and Location Dimensions
  - B. Dimensioning Tolerances
- III. Threads
  - A. Thread representations
  - B. Thread types
  - C. Thread callouts