

Course Objectives/Course Outline
Spokane Community College

Course Title: Equipment Operation and Maintenance

Prefix and Course Number: AGGEN 156

Course Learning Outcomes:

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

- Properly use and maintain common hand tools
- Properly use and maintain common power tools
- Understand and select the proper equipment needed for the job
- Check and service equipment before operation
- Operate a variety of types of landscape equipment
- Prepare engines and equipment for storage
- Operate a truck and trailer safely
- Blow-out sprinkler systems and prepare them for winter

Course Outline

- I. Safety
- II. Hand Tool Use and Maintenance
- III. Power Tool Use and Maintenance
- IV. Understanding and Operation of Small Gas Engines
- V. Types of Landscape Equipment
- VI. Equipment Operation
 - A. Checking and Servicing Equipment
 - B. Starting and Stopping Engines
 - C. Operating Track Loaders, Compact Utility Loaders, Tractors and Mini Excavators
 - D. Preparing Engines and Equipment for Storage
- VII. Truck and Trailer Operation
 - A. Safety, Inspections and Signal Checks
 - B. Trailer Attachment and Detachment
 - C. Loading and Unloading of Equipment
 - D. Driving, Backing and Maneuvering Through an Obstacle Course
 - E. Tune Ups
- VIII. Sprinkler Blow-outs