**SC151 – “FUELS” LEARNING OBJECTIVES**

To satisfy the minimum requirements for this course, you should master the following learning objectives.

Understand how petroleum is refined and how the various fractions are separated.

Understand the term fuel value (or energy content) and compare fuel values for common foods and fuels.

Describe how the percent oxygen in a fuel affects its fuel value. Explain how adding ethanol to gasoline affects its fuel value.

Define the terms flashpoint, flammability, and volatility.

Describe the relative flammability of the military fuels JP-5 and JP-8.