

Feeds and Feeding for Ruminants and Horses
Clinical Medicine I VETM*3430

Learning Objectives:

By the end of the lecture and lab students will be able to:

- identify the common forages (roughages) fed to large animals and be able to explain their physical and nutrient characteristics
- know the common grains fed and know the factors that affect their rate of digestion
- know and be able to explain the differences in harvesting, storage methods and dry matter content of the common feeds
- know which major nutrient(s) [energy, protein, fiber] is/are provided by each of the commonly fed feeds
- know the different forms of mineral that is fed

Specific points for Ruminants:

- explain the differences between the following types of feeding systems:
 - component fed rations
 - total mixed rations (TMR's)
- explain the significance of order of feeding to rumen function
- estimate the daily *dry matter intake* (DMI) of a cow at maintenance vs production
- estimate the daily water intake of a cow

Specific points for Horses:

- know the approximate dry hay and water intakes for a horse at maintenance
- know the different ways that hay may be fed and explain their rationale for use
- identify common grains fed to horses
- identify the types of common commercial feeds and know the reasons for feeding
- know what bedding is commonly used for horses