

**PLNT 0750**  
**Forage and Pasture Management**

**Dr. Martin Entz**

**Room 309 Agriculture Building (East Wing)**

**Phone 474-6077 (Voice mail available) [m\\_entz@umanitoba.ca](mailto:m_entz@umanitoba.ca)**

*I will be available after class. Please make an appointment to see me in my office, or drop by.*

**Course Goals**

- Make you an expert in forage and pasture management, including knowledge of forage species and pasture system design.
- Expand your view of the important role that forages play in agriculture
- Help you develop skills important to your success on farm (critical thinking/decision making).

**Class:** 12:30 to 1:20 PM Monday, Wednesday and Friday in Room 318 Agriculture Building

**Labs:** Labs will be held on Tuesdays (2:30 to 3:45 PM) and Thursdays (10:00 to 11:15 AM) in Room 134 Agriculture Building. Check to see which lab you are registered in. Labs begin January 19.

**Texts:**

- Class notes and a lab manual will be made available to all students
- Reserve materials are as follows: Manitoba Forage and Grassland reference manual; Forage seed production manual; Grass seed production manual; Range plan development.
- [www.foragebeef.ca](http://www.foragebeef.ca) This is a new website with information relevant to the Canadian prairies and northern US plains states.
- All students should have a 3-ring binder for the test material and handouts.

**Grading**

	<u>Grade</u>	<u>Date</u>
1. Write-up on CD lecture	5%	Jan. 11
2. Term test 1	10%	Feb. 1
3. Seeding depth lab report	10%	Due March 10
4. Term test 2	10%	March 5
5. Lab quiz (Plant ID)	10%	March 17 (5 PM)
6. Forage Management Plan	20%	March 22
7. Final exam	35%	Regular exam period

Results on student performance will be provided before end of voluntary withdrawal date.

**Lecture Outline:**

- Section 1 - Value of forages in the farming system. Jan 6
- Section 2 - What is going on with agriculture? Listen to CD lecture on your own. Will discuss on Monday, Jan 11. Come prepared!
- Section 3 - Selecting forages for the farm. Species and mixtures. Jan 13 – 22
- Section 4 - Forage establishment. Jan 25
- Section 5 - Growing the crop; fertilization; defoliation management, etc. Jan 27 - Feb 5
- Section 6 - Forage quality; Forage harvesting and storage Feb 8 - 12
- Section 8 - Pasture and range management Feb 22 - March 15
- Section 9 - Forage seed production March 17 and 19
- Section 10 - Forages and environmental sustainability March 22 to 26

**Labs:**

1. Jan 19 and 21. Seed identification.
2. Jan 26 and 28 Start seeding depth study
3. Feb 2 and 4 Legumes – young plant identification
4. Feb 23 and 25 Grasses – young plant identification
5. March 2 and 4 Mature plant identification (legumes and grasses)
6. March 9 and 11 Measuring pasture productivity
7. March 17 Lab quiz (5 PM)
8. March 16 and 18 (assistance to complete forage management plan)

**Student requirements:**

- Assignments handed in late will have 10% subtracted every 24 hour period.
- **See the University of Manitoba General Calendar for policy on academic dishonesty, plagiarism and exam impersonation.**