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FOR 240.01: Tree Biology

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Fall 2000

TREE BIOLOGY SCHEDULE FOR 240

INSTRUCTORS: Dr. Steven Running
OFFICE: SC 428
PHONE: 243-6311
OFFICE HOURS: By Appointment

Mr. Matt Reeves
SC 445
243-6228
T/Th 11:00 am – 1:00 pm

TEXTBOOK: Forest Ecology B. Barnes et al (same book as FOR 330)

CLASS SCHEDULE

| <u>WEEK</u> | <u>READING</u> | <u>LECTURE TOPIC</u> |
|-------------|----------------|---|
| 1 | Ch 4 | Concepts of tree genetics |
| 2 | Ch 5 | Regeneration biology |
| 3 | Ch 6 | Tree structure and growth principles |
| 4 | Ch 7 | Bioclimatology water, temperature, radiation + |
| 5 | Ch 8 | (Reserve reading Chap 1-5, Essentials of Meteorology) |
| 6 | Ch 10 | Physiography |
| 7 | MIDTERM | |
| 8 | Ch 11 | Ecosystem water balance |
| 9 | Ch 18 | Photosynthesis and Respiration |
| 10 | Ch 18 | Net primary production, stand growth |
| 11 | Ch 19 | Soil chemistry, decomposition |
| 12 | Ch 19 | Nutrient availability |
| 13 | Ch 9 | Stress physiology, dormancy |
| 14 | Ch 13 | Site quality, growing seasons |
| 15 | | Review |
| 16 | FINALS | |

10:10 am – 12:10 pm DECEMBER 22, Friday FINAL EXAM

GRADING

| | |
|-------------------|---------------------|
| MIDTERM | - 100 points |
| QUIZZES | - 80 points |
| <u>FINAL EXAM</u> | <u>- 120 points</u> |
| Total | 300 points |

We have twelve Thursdays in the semester; ten of these will have a quiz. Each quiz will be held in the first 10 minutes of class and will be worth 10 points. The best eight of ten quizzes will count toward your final grade.