NATRS 215  FOREST MEASUREMENTS
Instructor: Tom Rieger  e-mail: trieger@scc.spokane.edu  Phone: 533-7267
Office Hours: See schedule posted on office door.

BOOKS:  Forest Measurements Workbook - Furnished
         Transit Notebook   #301 or #303.  #5.00 - $8.00
         * These can be purchased at GENDRON & COMPANY       326-4490
                  1327 N. Washington
                  Spokane, WA  99201

Grading:
10 weekly problem sets  10 points each  100 points
8 field exercises *  15 points each  120 points
1 field exam **  60 points  60 points
4 quizzes  25 points each  100 points
Final  60 points  60 points

TOTAL:  440 points

*  Field work is required, 5 points for attendance +10 points for work assignment. ** Miss more
   than two labs and you will be asked to withdraw from the class. No exceptions. You can only
   attend the labs you are signed up for; we have limited space & equipment. Attending labs on
   days you are not signed up for will be considered a missed lab, and you may be withdrawn
   from the class.  NO EXCEPTIONS. Homework is due at the beginning of class, or it is
   considered late.

** Mandatory attendance to pass class.  NO MAKE UP FIELD EXAM GIVEN!

95% or higher is a 4.0, 0.1 grade will point will be deducted for each 1 % below 95%
308 POINTS or 70% = 1.5  ANY GRADE BELOW 70% OR 1.5 IS NOT ELIGIBLE
TO TAKE FOREST INVENTORY OR TIMBER
HARVESTING NEXT FALL QUARTER. (forestry option only)

All late work is 10% off per day. This includes quizzes.  NO MAKE UP for Lecture Final given.

LA B:  WEEK OF:
# 0 & #1  Week #1  Environmental Hazards AND
         Diameters & Bark Thickness
# 2  Week #2  Tree Heights / Clinometer
# 3  Week #3  Relaskop & laser hypsometer
# 4  Week #4  Age, Growth, Site Index
# 5  Week #5  Volume
# 6  Week #6  Form Class / Relaskop
# 7  Week #7  1/10 Acre Cruise
# 8  Week #8  Stand Exam
LAB FINAL**  Week #9  Tuesday or Wednesday (sign up for only one day)

Tentative Quiz Schedule:
#1  Week #4  DBH, DIB, % bark Tree Height, Crown Ratio
#2  Week #6  Age, Growth, Site class, Crown Class
#3  Week #8  Volumes, Form Class, dob w/ Relaskop
#4  Week #9  Fixed & Variable plots, BAF
FINAL  Week # 10  Comprehensive Final
GOALS AND OBJECTIVES: At the end of the quarter the student will have demonstrated the following abilities:

1. The proper uses and maintenance of basic forestry tools (Relaskop, clinometer, increment bore, diameter tapes, etc.)
2. Accurately measure tree diameters, bark thickness, tree heights, & crown ratios.
3. Determine age, growth rate, Site Index, and crown classes of trees.
4. Determine volumes of standing trees (standard volume tables).
5. Determine Form Class and Form Class volumes.
6. Demonstrate the use of basic forestry tools while collecting data on a 1/10 acre cruise plot and calculate the volumes for the plot.
7. Demonstrate the use of all tools on a Variable Radius Inventory Plot (Stand Exam Preparation)
8. Estimate defect of standing trees.

Field Labs are from 12:30 – 3:30 p.m. every week. Expect to be out the full time, so plan accordingly. WE will go out into the field each week regardless of the weather. Dress for the weather (rain, snow, cold, etc.).

The college provides transportation for all field labs. It is strongly advised that you ride in the school vans. I will not wait for you and your personal vehicle, and if you get lost and do not make it to the lab, it is considered as a missed lab. Missed labs are your responsibility to make up on your own time. It will be your responsibility to find a classmate and have them show you the lab location and how to do the lab. You will have to sign out any equipment used, AND for any equipment not turned in you will be charged full replacement cost.