Instructor: Dr. Richard J. Rossi  
Office: Mus 109  
Phone: 496 - 4356  
e-mail: RROSSI@MTECH.EDU  
Office Hours: TTH 7:15-8:00, TTH 11:00-12:00 ¹

Course Content: The topics covered in this course will include the following topics:  
Logic and truth-tables, types of proofs, quantifiers and mathematical notation, sets and set proofs,  
number theory, abstract algebra, and real analysis  
The emphasis in this course is on the structure of proofs, mathematical communication, and the writing of rigorous  
proofs. As the course progresses my expectations also progress. That is, I will expect you to write better and better  
proofs as the semester goes on.  

Grading: Grades will be assigned on the basis of 10 quizzes (40%), homework (40%), and one exam (20%). The  
exam will be given on the last day of class. The following grade scale will be utilized:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>85-100</td>
<td>C</td>
<td>60-72</td>
</tr>
<tr>
<td>B</td>
<td>72-85</td>
<td>D</td>
<td>50-60</td>
</tr>
</tbody>
</table>

NOTE: No makeup exams or quizzes will be given! No late HW will be accepted.

¹ Other times by appointment. I am usually amenable to unscheduled visits, also. That is, if my door is open you  
are welcome to ask for help.
Biography
Richard J. Rossi

Education:

1970 - 1974 : Los Altos High School (Knights)
1974 - 1978 : Sacramento State (Hornets)
   B.A. Pure Math
1978 - 1980 : Iowa State University (Cyclones)
   M.S. Statistics
1982 - 1985 : Oregon State University (Beavers)
   Ph.D. Mathematical Statistics

Experience:

• 1994 - : Professor of Statistics, Montana Tech
• 1999 -2014 Head of the Department of Mathematical Sciences, Montana Tech
• 1991 - 1994 : Professor of Statistics, Cal Poly SLO
• 1988 - 1991 : Professor of Statistics, Montana State University
• 1985 - 1988 : Instructor of Statistics, Oregon State University
• 1980 - 1982 : Instructor of Math and Statistics, UW - Stout
• 1984 - : Flyfishing Guide
• 1983 - 1998 : Professional Fly Tier

Research Interests: Nonparametric density estimation, statistical computing, regression, probability, finite mixture models, and methods of proof.


Hobbies: Flyfishing, flytying, photography, softball, and homebrewing.

Favorite Bands: Hendrix, Dylan, Aerosmith, Black Sabbath, Yes, CSNY, Bach, Tupac Shakur, Eminem, Snoop Dogg, Gypsy Kings, Hot Tuna, Traffic, Jefferson Airplane, George Clinton and the P-Funkadelics, Cowboy Junkies, John Prine, Cat Power

Favorite Beers: Racer 5, Sierra Nevada Pale Ale, Sierra Nevada Torpedo Ale, Red Hook Ale, Humboldt Red Nectar, Sierra Nevada Bigfoot Ale, Anchor Steam Ale, Liberty Ale

Favorite Rivers: Siletz, Madison, Grande RondeFirehole, Gallatin, Beaverhead, Alsea, Miami, Rock Creek, Owens, Deschutes, Bois Brule, Smith, Big Hole, Bighorn, Bulkley, Morice, Rivadavia, Corcovado, Nant y Fall