Ongoing List of Topics:

- URL: http://www.ece.mtu.edu/faculty/bamork/EE5223/index.htm
- Labs - EE4224/5224 should be on track.
- Term Project - begin in week 5.

- CT ratios, MR (multi-ratio) CTs - look at IEEE stds.
  - X/R ratio, dc offset, decay of dc offset
- Calculation of measurement error for given ratio & burden.
- Print out MOCT & CCVT handout from web page
- MOCTs - Magneto-Optic Current Transformers
  - Faraday effect, “faraday rotators,” Verdet constant
  - shift of polarization angle due to strength of H-field
  - Design kept to low near-linear range
- Linear Couplers, Rogowski Coils
- CCVTs
- Voltage & Current relationships during faults, §3.5-3.10
  - relative angles and magnitudes of all Vs & Is during fault
Gl Burden

\[ L = \frac{N^2}{R} \]

\( L \Rightarrow \)

\( \Rightarrow \) Low tap settings have highest 
Burden!