**Transformed E&M I materials**

**Auxiliary Field H**

**(including Boundary Value Problems)**

**(Griffiths Chapter 6)**

**TIMELINE**

Prof A covers this in lectures 38-39.

Prof B. covers this in lecture 32-34.

Transformed course covered in lectures 40-42.

**LEARNING GOALS**

1. Students should be able to calculate H when given B or M
2. Students should recognize that H is a mathematical construction, whereas B and M are physical quantities.
3. Students should be able to use H to calculate B when given Jf for an appropriately symmetric current distribution.
4. Students should be able to articulate in which physical situations it is useful to use H.
5. Students should be able to identify the appropriate boundary conditions on H given its relationship to M and Kf.

**CLASS ACTIVITIES**

**None.**