Chapter 14 Advanced Structure Determination

It will take about four fifty-minute lectures to cover this material. Alternatively, if only the most interested students are covering this part of the material, the material is designed so they can study it and learn it on their own.

HELP!: If you are not already familiar with these aspects of the use of spectroscopy to solve organic unknowns, work through Chapter 14 on your own first. Once you learn the patterns, you will find that this is really a lot of fun. If you find it frustrating at first, please give me a call (Doug Taber, 302-831-2433), or send me an email: Taberdf@udel.edu. I would be glad to help!

8.

ANSWERS TO QUESTIONS

1. CO₂CH₃

J. Org. Chem. 61:2908 (1996).

EtO₂C

2.

J. Am. Chem. Soc. 121:7773 (1999).

J. Org. Chem. 60:1093 (1995).

J. Am. Chem. Soc. 118:547 (1996).

J. Org. Chem. 61:5723 (1996).

7.

J. Org. Chem. 62:9342 (1997).

9. J. Org. Chem. <u>65</u>:254 (2000).