Introduction

Note. In the preface (to the first edition) of our text, the author mentions that his book is the result of his teaching a second-year graduate level ring theory course at Berkeley. He states that the needed background is a first-year graduate course in modern algebra which includes "tensor products, chain conditions, some module theory, and a certain amount of commutative algebra" (page ix). In our Modern Algebra 1 and 2 classes (MATH 5410-5420), we use Thomas W. Hungerford's *Algebra*, NY: Springer-Verlag (1974). Hungerford covers the topics mentioned by Lam are covered as follows:

- tensor products in Section IV.4, "Tensor Products,"
- chain conditions in Section VIII.1, "Chain Conditions,"
- module theory in Chapter IV, "Modules,"
- commutative algebra in Chapter VIII, "Commutative Rings and Modules."

Additional ring theory is in Chapter IX, "The Structure of Rings." See the online notes for rings and modules, respectively, at

http://faculty.etsu.edu/gardnerr/5410/notes-rings.htm

and

http://faculty.etsu.edu/gardnerr/5410/notes-fields.htm

Revised: 9/8/2018