UNIVERSIDADE FEDERAL DE SANTA CATARINA
CENTRO DE CIÊNCIAS FÍSICAS E MATEMÁTICAS
PÓS-GRADUAÇÃO EM MATEMÁTICA PURA E APLICADA

MTM510052 Advanced Module theory

Pre-requisite: MTM510015 Theory of Non-Commutative Rings

Weekly lesson hours: 06h

Discipline syllabus: Chapter 2, Sections 9, 10, and 11 of Textbook 1, Chapter 3, Sections 13, 14, 15, 17 and 19 of Textbook 1, Chapters 7, Sections 33-36 of Textbook 1. Chapter 3, Sections 9, 10, 11, 13 and 14 of textbook 2.

BIBLIOGRAPHIC REFERENCES

Text book:

1. R. Wisbauer – Foundations of Module and Ring Theory – Gordon and Breach Science Publishers, Algebra, Logic and Applications Series, Volume 3, 1991.
2. R. Wisbauer –Modules and Algebras: Bimodule structure and group actions on algebras Pitman Monographs and Surveys in Pure and Applied Mathematics 81 – Longman 1996.

COMPLEMENTARY BIBLIOGRAPHY

1. K. R. Goodearl – Ring theory – Nonsingular rings and modules – Marcel Dekker 1976.
2. J. G. Raftery – On strongly prime rings and modules – Durban 1986.
3. L. H. Rowen – Ring theory – Academic Press 1988.