



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

MTM510034 Commutative Algebra

Pre-requisite: MTM330400 Algebraic Structures

Weekly lesson hours: 06h

Discipline syllabus: Rings, Ideals, Modules, Localization, Noetherian Rings, Artinian Rings.

BIBLIOGRAPHIC REFERENCES

1. Atiyah, M., F., MacDonald, I., G.; – Introduction to Commutative Algebra. MA: Addison-Wesley, 1994.
2. Reid, Miles. Undergraduate Commutative Algebra: London Mathematical Society Student Texts. Cambridge, UK: Cambridge University Press, 1996.
3. Eisenbud, David. Commutative Algebra: With a View Toward Algebraic Geometry. New York, NY: Springer-Verlag, 1999.