



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

MTM510057 Introduction to Group Cohomology

Pre-requisite: x-x

Weekly lesson hours: 06h

Discipline syllabus: CW-complex group actions. The homology and cohomology functors of a group. Cohomology and group extensions. Products. Finite group cohomology.

BIBLIOGRAPHIC REFERENCES

Text book:

1. Brown, K.S. – Cohomology of groups – Springer (1982)

COMPLEMENTARY BIBLIOGRAPHY

1. Hatcher – Algebraic topology – Cambridge University Press, Cambridge (2002)
2. Adem, A., Milgram, R. J. – Cohomology of finite groups – Springer (1994)
3. Weiss, E. – Cohomology of groups – Academic Press (1969)
4. Hilton, P., Stambach, U. – A course in Homological Algebra – Springer (1977)