



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

MTM510037 C *- Dynamical Systems and Crossed Products

Pre-requisite: MTM510011 Operator Algebras

Weekly lesson hours: 06h

Discipline syllabus: Locally compact groups, C^* -algebra tensor products, cross products, C^* -group algebra, cross product representations, Takai duality theorem.

BIBLIOGRAPHIC REFERENCES

Text book:

1. Gerard J. Murphy, C^* -Algebras and Operator Theory, Academic Press, 1990.
2. Dana Williams, - Crossed Product of C^* -Algebras

COMPLEMENTARY BIBLIOGRAPHY

1. Kenneth Davidson, - C^* -Algebras by Example. American Mathematical Society, 1996.
2. G. K. Pedersen, C^* -algebras and their Automorphism groups, Academic press, 1979.