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

**MTM510037 C *- Dynamical Systems and Cross 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.