



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

MTM5100091 Differentiable Manifolds

Pre-requisite: x-x

Weekly lesson hours: 06h

Discipline syllabus: Differentiable Varieties, Differentiable Applications among Varieties, Transversality, Integration in Varieties and Lie Groups.

BIBLIOGRAPHIC REFERENCES

The numbering attributed to the bibliographic references in each section represents the order, in importance, suggested by the present proposal.

Section 1

[1] - Bredon, Glen E.. - Topology and Geometry, GTM 139, Springer.

[2] - Warner, F. - Foundations of Differentiable Manifolds and Lie Groups - GTM 94, Springer.

[3] - Guillemin, V. and Pollack, A. - Differential Topology - PrenticeHall.

Section 2

[1] - Warner, F. - Foundations of Differentiable Manifolds and Lie Groups - GTM 94, Springer.

[2] - Spivak, M. - Differential Geometry - vol I, Publish or Perish.

[3] - Bredon, Glen E.. - Topology and Geometry, GTM 139, Springer.