



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

MTM510050 Fibers in Differentiable Manifolds

Pre-requisite: MTM510091 Differentiable Manifolds

Weekly lesson hours: 06h

Discipline syllabus: Fibers, connections, holonomy, characteristic classes

BIBLIOGRAPHIC REFERENCES

Text book:

- 1) Kobayashi, S., Nomizu, K.: Foundations of differential geometry, vol.1. New York: Interscience, 1963-69
- 2) Kobayashi, S., Nomizu, K.: Foundations of differential geometry, vol.2. New York: Interscience, 1963-69

COMPLEMENTARY BIBLIOGRAPHY

- 3) Baum, H.: Eichfeldtheorie. 2a edição, Springer, 2014
- 4) Husemoller D.: Fibre bundles. 3a edição, Springer, 1993
- 5) Naber, G.L.: Topology, geometry, and gauge fields: foundations. New York: Springer, 1997
- 6) Spivak, M.: A comprehensive introduction to differential geometry, vol. 2. 3a edição, Publish or Perish, 1999.