**MTM410082 Fibers in Differentiable Manifolds**

Pre-requisite: Differentiable Varieties

Weekly lesson hours: 06h

**Discipline syllabus:** fiber bundles, connections, holonomia, characteristic classes.

**BIBLIOGRAPHIC  REFERENCES**

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:

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