

**SYLLABUS for the optional course  
CONNECTIONS AND GAUGE FIELDS  
M.Fecko**

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**References:**

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2. M.Crampin, F.A.E.Pirani: Applicable Differential Geometry, Cambridge University Press, 1987
3. A.Trautmann: Differential Geometry for Physicists, Napoli, Bibliopolis 1984
4. Ch.J.Isham: Modern Differential Geometry for Physicists, Singapore, World Scientific, 1989