



**FEDERAL UNIVERSITY OF SÃO CARLOS**  
**CENTER OF BIOLOGICAL AND HEALTH SCIENCES**  
**GRADUATE PROGRAM IN PHYSICAL THERAPY**  
**Concentration: Physical Therapy and Functional Performance**  
Via Washington Luís, Km 235 – São Carlos, SP 13.565- 905  
Phone: (016) 3351 - 8448 Email: [ppgft@ufscar.br](mailto:ppgft@ufscar.br)

---

**COURSE: FIT 151 - Evidence-Based Physical Therapy Research Plan**

**Credits: 6**

**Course Load: 90hrs.**

**Instructor: Ana Beatriz de Oliveira, Ph.D.**

**Course Overview:**

1. Research plan.
2. Develop a search strategy and PubMed search strategy.
3. Exporting and saving references (START and Mendeley).
4. Develop a protocol for data collection.
5. Assessment of methodological quality of studies (PEDro scale and GRADE).
6. Data analysis and evidence synthesis (GRADE).

**Course Materials:**

1. Atkins D, Best D, Briss P, Eccles M, Falck-Ytter Y, Flottorp S. Grading quality of evidence and strength of recommendations. The GRADE Working Group. Br Med J (Clin Res Ed). 2004;(June):328(7454):1490.
2. Furlan AD, Pennick V, Bombardier C, van Tulder M. 2009 updated method guidelines for systematic reviews in the Cochrane Back Review Group. Spine (Phila Pa 1976). 2009 Aug 15;34(18):1929–41.
3. Higgins JPT, Green S. Cochrane handbook for Systematic Reviews of Interventions 4.2.6 [update March 2011]. The Cochrane Collaboration; 2011.
4. Jonathan E, Sterne AC, Egger M, Moher D, Bias C. Chapter 10: Addressing reporting biases. 2011
5. Maher CG, Sherrington C, Herbert RD, Moseley AM, Elkins M. Reliability of the PEDro scale for rating quality of randomized controlled trials. Phys Ther. 2003 Aug;83(8):713–21.

6. PEDro – Physiotherapy Evidence Database [homepage da internet]. Australian: The center for evidence-based physiotherapy. Disponível em: [www.pedro.org.au](http://www.pedro.org.au)