



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Physical Therapy Department**

P.T765 Independent Study In Physical Therapy

Summer Semester 2024-2025

**Course Catalog**

2 Credit Hours. This course provides graduate students with the opportunity to independently explore a specialized topic in physical therapy through the development of a systematic review and, when applicable, a meta-analysis. Under faculty supervision and with coordinator approval, students will formulate a research question, conduct a comprehensive literature search, critically appraise evidence, and complete a scholarly paper. The course emphasizes self-directed learning, evidence-based methodology, and academic writing.

**Teaching Method:** Blended

**Text Book**

|                          |  |
|--------------------------|--|
| <b>Title</b>             | Practical Evidence-Based Physiotherapy-E-Book: Practical Evidence-Based Physiotherapy-E-Book |
| <b>Author(s)</b>         | Herbert, Robert, Gro Jamtvedt, K?re Birger Hagen, and Mark R. Elkins                         |
| <b>Edition</b>           | 3rd Edition  |
| <b>Short Name</b>        | Ref#1  |
| <b>Other Information</b> |  |

**Course References**

| Short name | Book name   | Author(s)   | Edition     | Other Information |
|------------|---|---|-------------|-------------------|
| Ref#2      | Cochrane handbook for systematic reviews of interventions | Chandler, Jacqueline, Miranda Cumpston, Tianjing Li, Matthew J. Page, and V. J. H. W. Welch | 2nd Edition |                   |
| Ref#3      | Introduction to the meta-analysis                         | Borenstein, Michael, Larry V. Hedges, Julian PT Higgins, and Hannah R. Rothstein            | 2nd Edition |                   |

**Instructor**

|                 |                           |
|-----------------|---------------------------|
| Name            | <b>Dr. Mohammad Etoom</b> |
| Office Location | -                         |

|              |   |
|--------------|---|
| Office Hours | Sun : 08:30 - 09:30<br>Mon : 09:00 - 10:00<br>Tue : 10:00 - 12:00<br>Wed : 08:00 - 09:00<br>Wed : 09:00 - 10:00 |
| Email        | msetoom@just.edu.jo   |

**Class Schedule & Room**

Section 1:  
Lecture Time: Mon, Wed : 13:00 - 14:00  
Room: M3305

**Tentative List of Topics Covered**

| <b>Weeks</b>     | <b>Topic</b>  | <b>References</b>   |
|------------------|---|---|
| Weeks<br>1, 2, 3 | Conduction a Systematic review and Meta-analysis  | From<br><b>Ref#1</b> ,<br>From<br><b>Ref#2</b> ,<br>From <b>Ref#3</b> |
| Weeks<br>4, 5, 6 | PRISMA statement for systematic reviews and meta-analysis   | From<br><b>Ref#2</b> ,<br>From <b>Ref#3</b>                           |
| Weeks<br>7, 8    | Individual Studies for students   |   |
| Weeks<br>7, 8    | Assessment Risk of Bias in Randomized controlled trial tools: Physiotherapy Evidence Database (PEDro), and Revised Cochrane risk-of-bias tool for randomized trials (RoB 2) | From<br><b>Ref#1</b> ,<br>From <b>Ref#2</b>                           |

Date Printed: 2025-07-12