**KINE 4900 – Undergraduate Research**

**Fall 2025**

**Instructor:** Jerraco L. Johnson, PhD [Jerraco.Johnson@Unt.edu](mailto:Jerraco.Johnson@Unt.edu)

**Office hours:** T/R 1:00 – 4:00, PEB 210R.

**Course Description:** This course is designed for undergraduate and graduate students who will be working in the motor development lab and doing research with Dr. J for the 2025-26 academic year.

**Course meeting:** 3 credit hours are equivalent to 10 hours per week. These hours can be achieved in a variety of ways for students including but not limited to: weekly lab meetings, data collection and data entry, KHPR seminars, attending research presentations, individual meetings with Dr. J, and other options as needed.

**Scheduled course meetings:** Wednesdays, 9:00- 11:00

**Course Expectations/Research development Goals:**

1. **Reading and evaluating scholarly peer-reviewed articles**
2. **Writing a peer-reviewed manuscript**
3. **Writing a research abstract**
4. **Communication skills**
5. **Participant recruitment in research**
6. **Presenting research**
7. **Grant writing**
8. **Measuring motor competence**
9. **Measuring physical activity**
10. **Measuring perceived motor competence**
11. **Creating a research CV**

**Data collection training:**

1. **Qualitative research analysis**
2. **Motor Competence assessments** 
   1. **MABC-2/MABC-3.** Movement assessment battery for children
   2. **TGMD-3.** Test of gross motor development\*
   3. **Others if needed**
3. **Accelerometry.** Initiating and preparing devices, downloading data, and data reduction.
4. **Perceived competence scales**
5. **Basic Statistical analysis**
6. **Survey data collection and data entry into excel**
7. **Others TBD.**

The checklist below is the goals Dr. J has for your research experience. We will use this to track your activities. These tentative activities and syllabus (subject to change as needed) but will serve as a contract between you and Dr. J. **Failure to meet course expectations will result in a failing grade for this course.**

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| **Date Completed** | **Description of Task** |
|  | Qualitative data analysis |
|  | MABC-2 training and scoring |
|  | TGMD-3 training and scoring |
|  | Accelerometry training |
|  | Perceived competence scale training and scoring |
|  | Survey data entry scoring |
|  | How to search for a peer-review journal article |
|  | Presenting a peer-review journal article |
|  | Comprehending a peer-review journal article |
|  | Writing a research abstract (intro/background, purpose, methods, results, conclusion) |
|  | Reading a grant proposal |
|  | Anthropometric data collection (height/weight) |
|  | Research CV |
|  | Others TBA. |
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|  |  |
|  | Personal goals/questions you may have about research |