

Lecturer

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Topics

- Validity and reliability of tracking systems
- Using video-based analysis in sports

TASKS TO BE COMPLETED BEFORE THE COURSE STARTS***Compulsory tasks***

Read the following book chapters (which you can find in the e-learning platform):

- “Validity and reliability of tracking systems” (from “NSCA’s Essentials of Sport Science”)
- “Motion tracking and analysis systems” (from “Computer Science in Sport - Research and Practice”)
[note: ignore the “Study tasks” section at the end of this chapter, you do not need to complete them]

Download the following computer software:

- Tracker (<https://physlets.org/tracker/>)
- Longomatch (<https://longomatch.com/en/download/>)
- Kinovea (<https://www.kinovea.org/download.html>) [available for Windows users only]

Optional tasks

For additional information regarding concepts which will be tackled during our lectures, I suggest reading the following research publications (uploaded on e-learning):

- Currell, K., & Jeukendrup, A. E. (2008). Validity, reliability and sensitivity of measures of sporting performance. *Sports medicine*, 38, 297-316
- Barris, S., & Button, C. (2008). A review of vision-based motion analysis in sport. *Sports medicine*, 38, 1025-1043

ADDITIONAL INFORMATION

Please make sure to bring your personal laptop to our lectures.