# Gait Course

| | Monday 24. 9. | Tuesday 25. 9. | Wednesday 26. 9. |
|---|---|---|---|
| 9:00 | Introduction to Gait Analysis<br>Normal gait<br>Musculoskeletal reguirements for gait<br>Neurological requirements for gait | Quiz/re-cap Day 1<br>Clinical Examination<br>Video assessment<br>Kinematics during gait<br>Kinetics during gait | Quiz/re-cap Day 2<br>Integrating data<br>Communicating gait data<br>Case example – tie things together |
| 10:30 | Coffee Break | Coffee Break | Coffee Break |
| 11:00 | Development of normal gait<br>Case study (CP child)<br>Gait changes in older adults<br>Case study (stroke) | EMG during gait<br>Evaluating validity of data<br>Quality assurance | Case examples |
| 11:30 | Lunch | Lunch | Lunch |
| 12:30 | Fundamental of mechanics<br>Application of mechanics<br>From markers to models | Practical 1: Marker placement<br>Practical 2: EMG placement<br>Practical 3: Troubleshooting<br>Practical 4: Gait lab setup | Case examples |
| 14:30 | Coffee Break | Coffee Break | Coffee Break |
| 15:00 | Interactive programs (normalisation, collinearity, cumulative rotations)<br>Critical review of descriptions of motion<br>Case study (critical analysis)<br>Q&A | Principles of data interpretation<br>Q&A | Case examples<br>Final Comments |
| 18:00 | | | |