TIME & LOCATION: Tuesday 1-4 PM, PT Laboratory

Coordinator:
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Office: RM 201
Office Hour: by appointment

Credit: 1 credit for lecture and 1 credit for laboratory/practice

Objective:
This course is designed to introduce basic principles, applications, and concerns of the prosthetics and assistive devices when ambulating or during other activities. Current concept about assistive technology will also be delivered in this course. After this course, students should be able to clinically evaluate and manage the patients with the needs of prosthetics and assistive devices.

Prerequisites:
Functional anatomy, Kinesiology, and Gait analysis

Course structure/Evaluation:
- Attendance of lectures and laboratories are required
- Mid-term examination (Two hours, in class close-book and notes)
- Mid-term report (about Prosthetic Company/Factory visiting)
- Final examination
- Final report
Date | Topic | Instructor
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2/22 | Introduction of Prosthetics & Orthoses; Material Properties | 林呈鳳
3/1 | Lower Extremity Prostheses (I): Prosthesis for BK Amputation | 林呈鳳
3/8 | Lower Extremity Prostheses (II): Prosthesis for BK Amputation | 林呈鳳
3/15 | Lower Extremity Prostheses: Prosthesis for AK Amputation | 林呈鳳
3/22 | Upper Extremity Prostheses & Orthoses | 林呈鳳
3/29 | Checkout and Training for Prostheses (Alignment & Prosthetic Gait Analysis) | 林呈鳳
4/5 | Holiday | 林呈鳳
4/12 | Lower Extremity Orthoses & Foot Orthoses & Insole making | 林呈鳳
4/19 | Spinal Orthoses | 林呈鳳
4/26 | Visiting Prosthetic Company/Factory 永純義肢永康廠 | 林呈鳳
5/3 | Mid-tern Exam & Report | 林呈鳳
5/10 | Introduction and Framework of Assistive Technologies | 顏秀珍
5/17 | Seating and Positioning Technology | 施啟明
5/24 | Technologies That Enable Mobility | 施啟明
5/31 | 輔具工廠參觀見習 - 康揚股份有限公司 (最大的內銷輪椅製造商，嘉義民雄) | 施啟明
6/7 | Design a Barrier-free Home Environment | 施啟明
6/14 | Technologies That Enable Computer Access | 顏秀珍
6/21 | Service Delivery System in Taiwan | 成戎珠
6/28 | Final Exam & Report | 此表格