

UO Physics & Human Physiology SAIL Camp

July 29 – August 2, 2013. 10AM - 3PM Mon.-Fri.

Room 240 Willamette Hall and other locations

Profs. **Raghu Parthasarathy** (cell: 510 364 6843) and **Andy Karduna** (cell: 541 510 8498)

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SCHEDULE

MONDAY July 29:

10:00 – 10:30 am	Introduction, welcome (both Physics and Human Physiology). <i>Profs. Raghu Parthasarathy and Andy Karduna. 240 Willamette Hall.</i>
10:30 – 12:10 pm	Complex fluids. In which SAIL students explore the strange and messy world of fluids. <i>Willamette 240. Prof. Eric Corvin and group</i>
12:10 – 1:00 pm	Lunch (Dining Hall), and recap – <i>Andy Karduna</i>
1:10 – 2:00 pm	Human Phys: Gait analysis. <i>Prof. Li-Shan Chou. In B-52 Gerlinger Annex</i>
2:10 – 3:00pm	Demo show. Some dramatic physics demonstrations, especially related to mechanics and electromagnetism. <i>Stan Micklavzina, Ben Wright. In Willamette 100</i>

TUESDAY July 30:

10:00 – 11:00 pm	Physics and Climbing (I): The Physics of Rock Climbing... presentation. – GTFs <i>Mike Taormina, Matt Jemielita; Willamette 240</i>
11:00 – 12:00 pm	Physiology and Climbing: Muscle Activity – <i>Prof. Andy Karduna, UO Rec Center?</i>
12:00 – 12:50 pm	Lunch (Dining Hall), and recap – <i>Raghu Parthasarathy</i>
1:00 – 1:30 pm	Exercise and Rock Climbing; <i>Prof. Andy Karduna, UO Rec Center</i>
1:30 – 3:00 pm	Physics and Climbing (II): Climbing the Rock Wall at the UO Gym – GTFs <i>Mike Taormina, Matt Jemielita, Matt Woźniak ; Prof. Graham Kribs (UO Rec. Center)</i>

WEDNESDAY July 31:

10:00 – 10:50 am	TODAY ONLY: <u>Don't</u> come to Willamette 240! Meet at the Rec Center! Human Physiology undergrad lab. <i>Meet at the UO Rec Center Lobby.</i>
11:00 – 11:50 am	Electron microscopy. <i>Prof. Ben McMorran. Wil. 171.</i>
12:00 – 1:10 pm	Lunch (Dining Hall), and recap – <i>Raghu Parthasarathy</i>
1:00 – 2:00 pm	Math diagnostic placement test. <i>240A McKenzie Hall</i>
2:00 – 3:00 pm	Neuromuscular function. <i>Prof. Anita Christie. CMER (off campus) – H. Phys. students will escort the SAIL group from McKenzie Hall.</i>

THURSDAY AUGUST 1:

10:00-10:50 am	Anatomy Labs / Cadavers. <i>In 63-B Klamath; meet in Willamette 240 first.</i>
11:00-11:50 am	Student research at UO. In which SAIL students explore research going on at UO with various students, and deliver short presentations. <i>Willamette 240. Raghu Parthasarathy</i>
12:00 – 1:00 pm	Lunch (provided) Picnic lunch, Pioneer Lawn outside Allen Hall. <i>Andy Karduna</i>
1:00 – 1:50 pm	Human Phys: Lung function. <i>Prof. Andy Lovering. CMER (off campus)</i>
2:00 – 3:00 pm	Self-assembly: Oil drops, soap bubbles, and cells – what do they have in common? <i>Raghu Parthasarathy w/ lab. [Willamette 240]</i>

FRIDAY AUGUST 2:

10:00 – 11:30 am	Electrical Geodesics. <i>Meet in Willamette 240, then walk to Electrical Geodesics.</i>
11:30 – 12:00 pm	Science Walk. <i>Raghu Parthasarathy</i>
12:00 – 1:00 pm	Lunch (provided). <i>Carson Volleyball Courts.</i>
1:00 – 2:00 pm	Admissions and Financial Aid for College – UO Office of Student Financial Aid & Scholarships. <i>190 Allen Hall</i>
2:00 – 3:00 pm	Concluding thoughts. Recap, evaluations, T-shirts – <i>Willamette 240.</i>