

# TRIUMF Summer Institute 2011 Timetable

	Monday 8-Aug	Tuesday 9-Aug	Wednesday 10-Aug	Thursday 11-Aug	Friday 12-Aug
9:00		T1	T2	T3	T4
9:30	Welcome				
10:00	L1	L4	L6	L8	L10
10:30	Coffee	Coffee	Coffee	Coffee	Coffee
11:00	L2	L5	L7	L9	L11
11:30	Lunch	Lunch	Lunch	Lunch	Lunch
12:00	Badges and Safety Lecture	P1	S2	P2	S3
12:30	L3				
1:00	Tour of TRIUMF				
1:30	S1				
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	Monday 15-Aug	Tuesday 16-Aug	Wednesday 17-Aug	Thursday 18-Aug	Friday 19-Aug
9:00	T5	T6	T7	T8	T9
9:30	L12	L14	L16	L18	L20
10:00	Coffee	Coffee	Coffee	Coffee	Coffee
10:30	L13	L15	L17	L19	Discussion
11:00	Lunch	Lunch	Lunch	Lunch	Lunch
11:30	P3	P4	P5	P6	Departure
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**P = Practical session (lab)**

How to build your own spectrometer (P1)

Data analysis workshop (P2) Room 205 Hennings Building, U.B.C. Physics

**The other practical sessions will be run in periods P3 - P6**

Magnetic materials, phase transitions

Muonium spectroscopy, muonium kinetics (low field apparatus)

Superconducting materials, penetration depth, vortex lattice.

Organic free radicals, Mu in semiconductors, LCR (HELIOS)

$\beta$ NMR

**S = Sponsored Social Events**

S1 Reception/BBQ dinner, meet & greet at TRIUMF Hot Spot Cafe & Courtyard

S2 Group activities

S3 Group activities

S4 Banquet at Bistro 101 Vancouver Culinary Institute

**T = Tutorial**

Lecturers will be available to answer questions

Lecture	Topic	Lecturer
L1	Overview	Andrew MacFarlane
L2	Principles of muSR	Jess Brewer
L3	History	Jess Brewer
L4	Magnetic Resonance Theory I	Paul Percival
L5	Practical Aspects of muSR	Syd Kreitzman
L6	Applications: Magnetism I	Graeme Luke
L7	Relaxation Functions	Jess Brewer
L8	Applications: Magnetism II	Graeme Luke
L9	Muonium: theory, spectroscopy, formation	Paul Percival
L10	Chemical Kinetics	Paul Percival
L11	Applications: Semiconductors	Kim Chow
L12	Superconductivity I	Jeff Sonier
L13	Free Radicals	Iain McKenzie
L14	Superconductivity II	Jeff Sonier
L15	Introduction to beta-NMR	Rob Kiefl
L16	Magnetic Resonance Theory II	Syd Kreitzman
L17	Applications: Surfaces and Interfaces	Rob Kiefl
L18	Complementary techniques	Yasutomo Uemura
L19	Applications: Soft Matter	Iain McKenzie
L20	Current Issues	Andrew MacFarlane