

Iowa High Performance Computing Summer School 2009

Schedule of Lectures and Activities

Thursday 8/6		
Time	Course	Instructor
8:30–9:00am	Welcome, Introductions, and Getting Online	Howes
9:00–10:00am	Introduction to High Performance Computing	Howes
10:00–10:15am	Break	
10:15–11:45am	MPI Programming	Ni
11:45am–12:30pm	Hands-on Exercises	Howes/Ni
12:30–2:00pm	Lunch	
2:00–3:00pm	Introduction to Computational Science and Engineering	Ni
3:00–5:00pm	Hands-on Exercises	Howes/Ni
Friday 8/7		
Time	Course	Instructor
8:30–9:30am	Parallel Performance	Howes
9:30–11:00am	Hands-on Exercises	Howes/Ni
11:00am–12:00pm	Introduction to Multi-core, Multi-thread, and GPU Computation	Ni
12:00–1:30pm	Lunch	
1:30–2:30pm	Multi-scale modeling and simulations	Ni
2:30–3:30pm	Hands-on Exercises	Howes/Ni
3:30–4:30pm	The Practice of High Performance Computing	Howes
4:30–5:00pm	Questions and Concluding Remarks	Howes/Ni

NOTE: Due to unforeseen circumstances, Professor Howes is unable to be present for this summer school. Lectures attributed to Professor Howes will either be covered by Professor Ni or will be replaced with other activities, so this may require changes to the schedule above.