

Day	Topics Covered	Assignment
Mon., June 28	Introduction to <a href="#">UNIX</a> , <a href="#">email</a> , the web, and <a href="#">FORTRAN</a> .	Exercises in FORTRAN.
Tue., June 29	More on <a href="#">FORTRAN</a> : loops & vectors; Electronic structure lecture.	Implement sorting algorithm in FORTRAN.
Wed., June 30	<a href="#">Introduction to Molecular Dynamics in 1 dimension.</a>	<a href="#">Write an event driven, 1D MD program in FORTRAN.</a>
Thurs., July 1	Extension of Molecular Dynamics into 2 dimensions.	<a href="#">Analyze collisions in 2D.</a>
Fri., July 2	<a href="#">Introduction to a Molecular Dynamics tool</a> ; Set-up projects.	Perform exercises with MD tool.
Mon., July 5	HOLIDAY -- NO CLASS	
Tues., July 6	<a href="#">Computer generated random number algorithms</a> ; <a href="#">The random walk</a> ; special topic "SnB."	Analysis of random walk distribution.
Wed., July 7	<a href="#">Introduction to Parallel Computing</a> ; PowerPoint.	Calculating area by Monte Carlo: serial & parallel.
Thurs., July 8	No Lecture -- Finish Presentations	
Fri., July 9	<a href="#">Presentations</a>	