Graduate General Education Program

Code Number	01ZZ607
Course Title (Credits)	**High Performance Parallel Computing Technology for Computational Sciences** **(1 Credit)**
Course Overview	High performance computing is the basic technology needed to support today's large scale scientific simulations. It covers a wide variety of issues on hardware and software for high-end computing such as high speed computation, high speed networking, large scale memory and disk storage, high speed numerical algorithms, programming schemes and the system softwares to support them. Current advanced supercomputer systems are based on large scale parallel processing systems. Nowadays, even application users are required to understand these technologies to a certain level for their effective utilization. In this class, we focus on the basic technology of high-end computing systems, programming, algorithm and performance tuning for application users who aim to use these systems for their practical simulation and computing.
Instructors	Taisuke Boku, Mitsuhisa Sato, Daisuke Takahashi, Osamu Tatebe, Hiroto Tadano, Claus Aranha
Schedule	February 6 (Mon), 2017 9:00 ～ 15:45
	February 7 (Tue), 2017 9:00 ～ 17:30
Location	International Workshop Room, Center for Computational Sciences
Registration	TWINS registration is available from Jan. 23th through Feb. 2th
Other	For details: http://www2.ccs.tsukuba.ac.jp/workshop/HPCseminar/2016/lecture_e.html