P: C212 or H212. P or C: H241. Honors version of C335. Credit given for only one of H335 and C335. Structure and internal operation of computers. The architecture and assembly language programming of a specific computer are stressed, in addition to general principles of hardware organization and low-level software systems. Lecture and laboratory.

Geoffrey Brown is a professor of computer science at Indiana University, Bloomington. He received the BS in engineering from Swarthmore College, MSEE from Stanford University, and PhD from the University of Texas at Austin in 1987. He taught at Cornell from 1987-1997 and worked as a research scientist at Hewlett Packard Laboratories where he was one of the architects of the Lx (ST210) family of VLIW microprocessors, and architect at several networking start-ups. His research interests include verification and design of digital systems, and the preservation of digital documents.