Since 2001, Bentley College has been increasing the number of graduate courses it offers on campus to be delivered synchronously to students on the Web. In this Web-extended format, 36 live on-campus classes are delivered simultaneously to both in-class students on campus and remote students on the Web, who attend the same classes synchronously via Saba’s Centra virtual classroom Web collaboration software. In this session, we will demonstrate the technology we use to create a real time online/on campus integrated environment. We will also discuss administrative and structural changes that have been implemented on campus to support the delivery of the increasing number of synchronous Web-extended classes.