

# YSU Wireless Executive Project Plan

## **Summary**

YSU has been offering limited wireless network connectivity to students, faculty, and staff in the Maag Library through the use of a laptop borrowing process. Since the introduction of wireless in the library there have been new security advancements in wireless technologies. These advancements allow more secure computing options, including authenticated network logins, which now allow YSU to take advantage of new opportunities.

YSU will be offering a new wireless service during the calendar year 2006. The new wireless service offerings take advantage of an easy network login option, an enhanced option for access to secured network resources, authenticated user access, virus scanning remediation, and Operating System updates to provide a secure and safe computing environment for all YSU computer users.

## **YSU Wireless Network Service**

The YSU wireless network service is a platform currently offering two levels of wireless service. The first service offering is the YSU OPEN (Online Portal Entry Network) unsecured wireless segment. This service offering provides access to the same YSU Public Access Services available on the Internet. Any YSU Public Access system available from off-campus will also be available to users of the OPEN wireless option. This service offers quick access for simple network resource usage, such as the YSU webpage and CUE mail. The OPEN service offering is ideal for campus visitors with its easy network login option.

The second service offering is the YSU Wireless secured wireless segment. This service offering provides direct access to all available YSU network resources. The enhanced access to network resources makes this a favorite for intensive users seeking the same “wired” functionality of the YSU network. All users requiring access must be registered with YSU and devices must pass virus scanning and Operating System update checks prior to accessing resources on YSU network. These security processes help ensure a safe computing environment on the YSU network for all users.

Wireless rollout is currently scheduled for a three phase approach following the successful results of the Beta Test beginning in Spring 2006. The new wireless format supports 802.11b.

## **Phase One**

Phase One begins with the “go-live” wireless of the new service offerings. During Phase One, new wireless access points will be installed to provide points-of-presence for wireless services. The following locations will be completed throughout the calendar year 2006:

Phase One Wireless Deployment Allocation - Common Areas Point-of-Presence	
Building	Location
<i>Kilcawley Center</i>	1 <sup>st</sup> floor: Front lobby (NE), rear lobby (SW), Arby's, Marketplace, Peaberry's 2 <sup>nd</sup> floor: Noodles, reading room 1 (NW), reading room 2 (NW)
<i>Cushwa Hall</i>	1 <sup>st</sup> floor: Center atrium (2), bridge (E)
<i>Moser Hall</i>	1 <sup>st</sup> floor: Front lobby (N), adjoining study lounge (N)
<i>Williamson Hall</i>	3 <sup>rd</sup> floor: Room 302 - study lounge (SE)
<i>Debartolo Hall</i>	1 <sup>st</sup> floor: Front lobby (S)
<i>Bliss Hall</i>	2 <sup>nd</sup> floor: Front lobby (NE)
<i>Ward Beecher Hall</i>	3 <sup>rd</sup> floor: Front lobby (W)
<i>Beeghly Hall</i>	1 <sup>st</sup> floor: Atrium outside auditorium (W)
<i>Maag Library</i>	2 <sup>nd</sup> floor: Front circulation lobby (NW)
<i>Tod Hall</i>	1 <sup>st</sup> floor: Main lobby and Founders room (SE)

Phase One includes providing wireless services to common access areas. Phase One is expected to be completed in calendar year 2006. Upon completion of Phase One installation and activation, a Usability Analysis of wireless usage at YSU will be conducted to provide input into the continued direction of wireless deployment at YSU.

### **Phase Two**

Phase Two continues the deployment of wireless across common access areas based on the Phase One Usability Analysis and expands wireless into specific locations. College participation will be solicited to help determine an equitable wireless allocation methodology, and in identifying priority locations for wireless deployment in their respected areas. Phase Two is expected to be complete in calendar year 2007.

### **Phase Three**

Phase Three addresses specific classroom usage needs, wireless coverage gaps, additional wireless access methods, and residence hall wireless requests. Areas missed during prior phases will be addressed during this phase, including outdoor wireless services in the courtyard. Phase Three is expected to be complete in calendar year 2008.