Windows 7:

Connecting to the secure@hood wireless network at Hood College

Please ensure your computer meets the following criteria in order to successfully make a connection to this network:

- 802.11g/n capable Network Adapter
- Latest manufacturer drivers for the Network Adapter

Step 1:

Right click the Network menu item in the start menu and select Properties.



Alternatively you can also right click on the network icon in the applications tray and select **Network and Sharing Center** or click on the **Wireless networks are available bubble** that appears in the same application tray area.



*If you don't see **Network** menu item please do the following: Click **Start**, click **Control Panel**, then select under the **Network and Internet** icon the link for **View network status and tasks**.



Select under the **Network and Internet** icon the link for **View network status** and tasks.





<u>Step 3:</u>

Right click your Wireless Network Connection icon and Enable your wireless radio if it is turned off, then right click the Wireless Network Connection icon again and select Properties.

Wireless Network Connection Disabled Intel(R) PRO/Wireless 3945A	Wireless Network Connection Disabled Intel(R) PRO/Wireless 3945A		
Enable	Enable		
Status	Status		
Diagnose	Diagnose		
Create Shortcut	Create Shortcut		
Delete	Delete		
Rename	Rename		
Properties	Properties		

Step 4: Under the General or Networking tab, click on Internet Protocol Version 4 (TCP/IPv4) and select Properties.

Intel(R) PRO (Wireless 3)	
	945ABG Network Connection
	Configure
his connection uses the follow	ving items:
🗹 🏪 Client for Microsoft Ne	tworks
🗹 县 QoS Packet Schedule	er in the second second
🗹 县 File and Printer Sharin	g for Microsoft Networks
🗹 斗 Internet Protocol Versi	ion 6 (TCP/IPv6)
🗹 📥 Internet Protocol Versi	on 4 (TCP/IPv4)
🗹 🔺 Link-Layer Topology 🛛	Discovery Mapper I/O Driver
🗹 🔺 Link-Layer Topology 🛙	Discovery Responder
loctall []	pinetal Properties
Install	ninstall Properties
Install U	ninstall Properties
Install U Description Transmission Control Protoco	ol/Internet Protocol. The default
Install U Description Transmission Control Protocol wide area network protocol t across diverse interconnecte	ol/Internet Protocol. The default hat provides communication

<u>Step 5:</u>

In the window that opens, Select **Obtain an IP address automatically.** Also select **Obtain DNS server address automatically.** Click the **Advanced** button. Select and remove all WINS addresses (if any) from the **WINS address in order of use** box. Select the **Default** radio button **(Use NetBIOS settings from the DHCP server)** in the NetBIOS Setting section, click **OK** or **Close.** Close the remaining open windows by clicking **OK** or **Close.**

eneral Alternate Configuration		IP Settings DNS WINS	
You can get IP settings assigned a this capability. Otherwise, you nee for the appropriate IP settings.	utomatically if your network supports ed to ask your network administrator	<u>W</u> INS addresses, in order of use:	t
() Obtain an IP address automa	tically		3
O Use the following IP address:			
IP address:	4. (4. (4.	<u>A</u> dd	Edit
Subnet mask:	+ + +	If LMHOSTS lookup is enabled, it ap	plies to all connections for which
Default gateway:	· · · · · ·	Enable LMHOSTS lookup	Import LMHOSTS
Obtain DNS server address a	utomatically	NetBIOS setting	· · · · · · · · · · · · · · · · · · ·
O Use the following DNS server	addresses:	De <u>f</u> ault:	
Preferred DNS server:	4	Use NetBIOS setting from the DHCP server	ne DHCP server. If static IP address does not provide NetBIOS setting.
Alternate DNS server:	a. a. a.	enable NetBIOS over TCP/I	5
	······································	Enable NetBIOS over TCP/IP	
	Ad <u>v</u> anced	Digable NetBIOS over TCP/IP	

Step 6: Go to the Network and Sharing Center and select Manage wireless networks from the choices on the left.



Step 7:

From the Manage wireless networks screen, choose the Add option.				
Manage Wireless Networks	- 🗆 ×			
🚱 🕞 🖉 🔹 Control Panel 🔹 Network and Internet 🔹 Manage Wireless Networks 🔹 🔹 😰 Search Manage Wireless Networks	2			
Manage wireless networks that use (wireless network Lonnection)				
Windows tries to connect to these networks in the order listed below.				
Add Adapter properties Profile types Network and Sharing Center	(?)			
0 items				

Select the Manually create a network profile option:

M ألك	nually connect to a wireless network	_ 🗆 🗵
\bigcirc	Manually connect to a wireless network	
	How do you want to add a network?	
	Manually create a network profile This creates a new network profile or locates an existing network and saves a profile for the network on your computer. You need to know the network name (SSID) and security key (if applicable).	
	Create an ad hoc network This creates a temporary network for sharing files or an Internet connection	
		Cancel

Step 9: Enter in the following information (information is case sensitive) to the fileds listed below and then click on the **Next** button to continue.

	Network Name: Security Type: Encryption type:	secure@hood WPA2-Enterprise AES	
M ألك	anually connect to a wireless	network	
Θ	all Manually connect to a v	vireless network	
	Enter information for the w	ireless network you want to add	
	N <u>e</u> twork name:	secure@hood	
	<u>S</u> ecurity type:	WPA2-Enterprise	
	Enc <u>r</u> yption type:	AES	
	Se <u>c</u> urity Key:	☐ <u>H</u> ide characters	
	🔽 Start this connection :	automatically	
	🔲 C <u>o</u> nnect even if the n	etwork is not broadcasting	
	Warning: If you select	this option, your computer's privacy might be at risk.	
		Next	Cancel

<u>Step 10:</u>

Image: Manually connect to a wireless network Image: Manually connect to a wireless network Successfully added secure@hood	
Manually connect to a wireless network Successfully added secure@hood	
Successfully added secure@hood	
Change connection settings Open the connection properties so that I can change the settings.	

Step 11: Under the Connection tab, verify that Connect automatically when this network is in range is selected. Select the Security tab and under Choose a network authentication method, verify that the Protected EAP (PEAP) is selected and that the Remember my credentials for this connection each time I'm logged on box is selected. Select the Settings button next.

secure@hood Wireless Network Properties	×	secure@hood Wireless Network Properties
secure@hood Wireless Network Properties Connection Security Name: secure@hood SSID: secure@hood Network type: Access point Network availability: All users ✓ Connect automatically when this network is in range □ Connect to a more preferred network if available □ Connect even if the network is not broadcasting its name (SSID)	×	secure@hood Wireless Network Properties Connection Security Security type: WPA2-Enterprise Encryption type: AES Choose a network authentication method: ▼ Microsoft: Protected EAP (PEAP) ▼ Settings ✓ Remember my credentials for this connection each time I'm logged on
		A <u>d</u> vanced settings
OK Cancel		OK Cancel

Step 12: On the Protected EAP Properties window, uncheck the Validate server certificate box and select the Enable Fast Reconnect box under Select Authentication Method area. Additionally select the Configure button for Secured password (EAP-MSCHAP v2) and uncheck the box in the window that reads Automatically use my Windows logon name and password (and domain if any). Click on the OK buttons to close and save your settings.

Protected FAP Properties	X
Protected EAP Properties When connecting: Validate server certificates Connect to these servers: Connect to these servers: Image: Connect to these server: Image: Connect to the server certification Authority Image: Connect to the server: Image: Connect the server: <td>EAP MSCHAPv2 Properties</td>	EAP MSCHAPv2 Properties
Select Authentication Method: Secured password (EAP-MSCHAP v2) Configure Enable East Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy OK Cancel 	

Click on the Advanced settings button and under the 802.1X settings tab select the check box for Specify authentication mode and select User or computer authentication. Click OK and then **OK** again.

secure@hood Wireless Network Properties	Advanced settings
Connection Security	802.1X settings 802.11 settings
Security type: WPA2-Enterprise	User or computer authentication Save gredentials
Ch <u>o</u> ose a network authentication method: Microsoft: Protected EAP (PEAP) Remember my credentials for this connection each time I'm logged on	Perform immediately before user logon Perform immediately after user logon Maximum delay (seconds): II Allow additional dialogs to be displayed during single sign on This network uses separate virtual LANs for machine and user authentication
Advanced settings	OK Cancel

Step 13: Locate secure@hood from the network icon in the applications tray and check the Connect automatically check box and then click Connect



Step 14:

A popup window will appear once connected to secure@hood. Click on the popup window to authenticate.



Enter in your **Pergola** account credentials as supplied by the college then click on **OK.** A screen indicating that you have **successfully connected to secure@hood** will appear next.

Windows Securi	ty	×
Network Auth Please enter us	nentication er credentials	
	pergola\abc01	
	OK Cano	el



Currently connected to:		4 ₇
hood.edu Internet access		
Wireless Network Connection		
secure@hood	Connected	all.
WPA2N@hood		.ul
wireless@hood		.ul
guest@hood		31
unsecure@hood		31
Open Network and Sh	aring Center	