Wireless Setup Instructions

(Directions created using Windows Vista)

- 1. Make sure that your wireless is turned on. (You may need to flip a switch, or press a button on your laptop.) On most laptops you should see a light that indicates that your wireless is turned on or off.
- 2. Click Start
- 3. Click **Control Panel**. In *Classic View* (see Figure 1), click Network & Sharing Center. If in *Category View*, click Network & Internet then click Network & Sharing Center.

Figure 1

| Control Panel | ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► | ٩ |
|--------------------|---------------------------------------|---------------------------|
| Control Panel Home | Name | Category ^ |
| | Se Network and Sharing Center | Network and Internet |
| Classic View | 🔊 NVIDIA Control Panel | Additional Options |
| | P Offline Files | Network and Internet |
| | 🖉 Pen and Input Devices | Hardware and Sound; Mob |
| | 💤 People Near Me | Network and Internet |
| | Performance Information and Tools | System and Maintenance |
| | Personalization | Appearance and Personaliz |
| | 🔚 Phone and Modem Options | Hardware and Sound |
| | Power Options | Hardware and Sound; Syste |
| ///// | 🚇 Printers | Hardware and Sound ≡ |
| | 👰 Problem Reports and Solutions | System and Maintenance |
| | Programs and Features | Programs |
| | 🙆 QuickTime | Additional Options |
| | 🔗 Regional and Language Options | Clock, Language, and Regi |
| | Scanners and Cameras | Hardware and Sound |

4. In the side panel on the left, click **Set up a Connection or Network (see Figure 2)**. (In **Win7** – in the center of the screen click Set up a New Connection or Network)



5. From the set up a connection or network box, click **manually connect to a wireless network (see Figure 3)**, click **Next**. (In **Win 7** – click connect to the internet)

Figure 3



6. Enter the information as shown in **Figure 4**. **CU-Students** must be typed exactly as shown **paying close attention to capitalization!** Place a check mark in both boxes.

| | ne wheless network you r | |
|--------------------------|------------------------------------|----------------------------|
| N <u>e</u> twork name: | CU-Students | |
| Security type: | WPA2-Enterprise | • |
| Encryption type: | AES | • |
| Security Key/Passphrase: | | <u>D</u> isplay characters |
| Start this connection a | utomatically | |
| 📝 Connect even if the ne | twork is not broadcasting | |
| Warning: If you select | this option, your computer's priva | cy might be at risk. |

7. A box appears – successfully added CU-Students (see Figure 5), click change connection settings.

Figure 5

| (Manually connect to a wireless network | |
|--|-------|
| Successfully added cu-student | |
| Connect to Open the "Connect to a network" dialog so I can connect. | |
| Change connection settings Open the connection properties so that I can change the settings. | |
| | |
| | Close |

8. The network properties box opens (see Figure 6). On the <u>Connection tab</u>, uncheck connect to a more preferred network if available.

| CU-Students Wireless N | letwork properties | x |
|------------------------|--|-------|
| Connection Security | | |
| | | |
| Name: | CU-Students | |
| SSID: | CU-Students | |
| Network Type: | Access point | |
| Network Availability: | All users | |
| | | |
| Connect automat | ically when this network is in range | |
| Connect to a more | e <u>p</u> referred network if available | |
| Connect even if t | he network is not broadcasting | |
| Enable Intel conn | ection settings | |
| Configure | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | ОК Са | ancel |

9. Click the <u>Security tab</u>. Everything should be set as shown already. Next, click **Settings**.

Figure 7

| cu-student Wireless Net | twork properties |
|-----------------------------------|----------------------------------|
| Connection Security | |
| | |
| Security type: | WPA2-Enterprise |
| Encryption type: | AES 🔹 |
| | |
| | |
| Choose a network aut | thentication method: |
| Microsoft: Protected | EAP (PEAP) |
| Cache user inform to this network | ation for subsequent connections |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | OK Cancel |

10. The Protected EAP properties box opens (see Figure 8). Under <u>when connecting</u>: uncheck validate server certificate. Under <u>select authentication method</u>: secured password should be selected already, click Configure.

Figure 8

| Protected EAP Properties | × |
|--|-----|
| When connecting: | |
| Validate server certificate | |
| | |
| Connect to these servers: | |
| | |
| Trusted Deek Cartification Authorities | |
| AddTeast External CA Deat | |
| America Online Root Certification Authority 1 | â I |
| Class 3 Public Primary Certification Authority | - |
| DigiCert High Assurance EV Root CA | |
| Entrust.net Certification Authority (2048) | |
| Entrust.net Secure Server Certification Authority | |
| Equifax Secure Certificate Authority | Ŧ |
| | |
| • | |
| Do not prompt user to authorize new servers or trusted | |
| Do not prompt user to authorize new servers or trusted certification authorities. | |
| Do not prompt user to authorize new servers or trusted certification authorities. | |
| Do not prompt user to authorize new servers or trusted certification authorities. Select Authentication Method: | |
| Do not prompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) | re |
| Do not prompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Configu | re |
| Do not prompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Configu Enable East Reconnect Secured password to be the first term of term o | re |
| | re |
| III Do not grompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Configu Enable East Reconnect Enable Quarantine checks Disconnect if server does not present cryptobinding TLV | re |
| Do not grompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Configu Disconnect Enable East Reconnect Enable Quarantine checks Disconnect if server does not present cryptobinding TLV | re |
| | re |
| III Do not grompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Configu I Enable East Reconnect Enable Quarantine checks Disconnect if server does not present cryptobinding TLV OK Can | re |

11. The EAP MSCHAPv2 properties box opens (see Figure 9). Uncheck automatically use my windows logon name and password (and domain if any). Click Ok.

Figure 9

| EAP MSCHAPv2 Properties |
|--|
| When connecting: |
| When connecting. |
| <u>A</u> utomatically use my Windows logon name and password (and domain if any). |
| |
| OK Cancel |
| OK Cancel |

12. Click Ok, then click Ok again to close all boxes.

- 13. Click close on the successfully added CU-Students box that was still open.
- 14. An information balloon <u>may</u> appear at the bottom of your screen (see Figure 10). Click on it to enter your Claflin username and password (see Figure 14 or 15). If this balloon doesn't appear, go to step 15 listed below. (<u>Note:</u> You may have to enter your credentials several times before they are accepted. If you know your user information is correct and you have tried it more than 10 times, you may want to call for assistance.)

Figure 10



15. If no information balloon appears, <u>right</u> click the computer network icon in the lower right corner on the task bar and click **connect to a network (see Figure 11)**. (Or you can connect through the Network and Sharing Center in Control Panel.)



Figure 11

16. A box opens with a list of connections for you to choose from. Click the **CU-Students** connection and click **Connect**.

Figure 12



17. A box opens requesting additional log on information. Click **enter/select additional log on information.**





18. A login box (Enter Credentials Figure 14 or Windows Security Figure 15) will open for you to enter your Claflin username and password. If requested, for logon domain, type Claflin, click Ok. (Note: You may have to enter your credentials several times before they are accepted. If you

know your user information is correct and you have tried it more than 5 times, you may want to call for assistance.)

| Enter Credentials | |
|--------------------|-------------------------------------|
| <u>U</u> ser name: | shanelle |
| Password: | ••••• |
| Logon domain: | CLAFLIN |
| Save this use | er name and password for future use |
| (| OK Cancel |

| Figure 1 | 15 |
|----------|----|
|----------|----|

| Windows Securit | у | |
|------------------------------|---------------------------------|-----------|
| Network A Please enter us | uthentication er credentials | |
| | claflin\shanelle | |
| | | OK Cancel |

Tips and Troubleshooting

- 1. To connect to the wireless network manually or to check which network your wireless is connected to, follow these instructions:
 - a. In the lower right hand corner of the screen, next to the time, you may see the following screenshot. This screenshot shows an "Excellent" strength connection but to which network?



b. To determine which network you are connected to or to see additional wireless networks which may be available to you, simply click on the signal strength indicator which is inside the red circle above. It will bring up the following screen which shows that the CU-Students wireless network is currently connected and the signal strength is excellent.

| Currently connected to: | 47 |
|---------------------------------|----------|
| Internet access | |
| Wireless Network Connection | ^ |
| CU-Students Connected | ъШ |
| CU-Guest | . |
| Other Network | лI |
| | |
| | |
| | |
| | |
| | |
| Open Network and Sharing Center | |

c. If nothing is connected but you want to connect to CU-Students and you have previously setup the manual connection, then click on the CU-Students line and a Connect (or Disconnect if already connected) button will appear. Simply click on the Connect button and it will attempt to connect to the CU-Students wireless network. The screen will look similar to the one below.



d. You should now be connected to the CU-Students network.

2. If you encounter a problem connecting and you are presented with a dialog box shown below, click on the "Troubleshoot problems" link and let the system attempt to fix the problem. Our experience with this is that it fixes the problem as shown in the second screen below, assuming you have set everything else up correct.

| Connect to a Network | | × |
|--|---------------------------------|---------------|
| Windows was unable to connect to C | U-Students | |
| Troubleshoot problems | | |
| Tell me more about Internet connection probler | <u>ns</u> | |
| | | Cancel |
| | | |
| | | |
| \ | | |
| Windows Network Diagnostics | and a | |
| Windows Network Diagnostics Troubleshooting has completed | and and | |
| Windows Network Diagnostics Troubleshooting has completed The troubleshooter made some changes to your system. Try to do before. | attempting the task yo | u were trying |
| Windows Network Diagnostics Troubleshooting has completed The troubleshooter made some changes to your system. Try to do before. Problems found | attempting the task yo | u were trying |
| Windows Network Diagnostics Troubleshooting has completed The troubleshooter made some changes to your system. Try to do before. Problems found Problem with wireless adapter or access point | attempting the task yo Fixed | u were trying |
| Windows Network Diagnostics Troubleshooting has completed The troubleshooter made some changes to your system. Try to do before. Problems found Problem with wireless adapter or access point Close the troubleshooter | attempting the task yo Fixed | u were trying |
| Windows Network Diagnostics Troubleshooting has completed The troubleshooter made some changes to your system. Try to do before. Problems found Problem with wireless adapter or access point Close the troubleshooter Explore additional options | attempting the task yo Fixed | u were trying |
| Windows Network Diagnostics Troubleshooting has completed The troubleshooter made some changes to your system. Try to do before. Problems found Problem with wireless adapter or access point Close the troubleshooter Explore additional options View detailed information | attempting the task yo Fixed | u were trying |

- 3. How do I change the settings if I need to?
 - a. Follow steps 1 through 6 above to arrive at the "Manage Wireless Networks" screen.
 - b. Locate the CU-Students wireless network setup and right click on it and select "properties" to make changes as necessary. Refer to the appropriate steps above for details.

| | | | | | | | x |
|--|-------------|---------------------------------------|---------------------------|---|--------------|---------------------------------|---|
| | 📶 < Network | k and Internet 🔸 I | /lanage Wireless Net | works 👻 | 4 9 | Search Manage Wireless Networks | ٩ |
| Manage wireless networks that use (Wireless Network Connection) Windows tries to connect to these networks in the order listed below. | | | | | | | |
| Add Rem | iove Adapte | er properties Pro | file types Network | k and Sharing Center | | | 0 |
| Networks you can view, modify, and reorder (1) | | | | | | | |
| CU | -Students | Security | : WPA2-Enterprise | Type: Any supp | orted | Automatically cor | h |
| | Proper | rties | | | | | |
| | Remov | e network | | | | | |
| | Renam | ie | | | | | |
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| | | | | | | | |
| | | | | | | | |
| N | CU-Students | Profile name: CU Security type: WP | Students A2-Enterprise | Radio type: Any supporte Mode: Automatically | d / conne | ct | |

4. As always, you may contact the Claflin University Helpdesk by sending an email to <u>helpdesk@claflin.edu</u> or by calling 803-535-5767 (5SOS).