Outcomes of Session:
1. Extend their knowledge of computer networks and the network on one large organization - Monash Uni
2. Familiarity with ISP and the services they provide
3. Develop file management protocols
4. Develop key technology infrastructure questions when scooping an information system development project

Assessment:
There are no assignment assessment tasks components in this studio

Preparation Required:
Nil

Activity 1: Monash University Computer Networks (40 minutes)

*Individual or in groups of two*

1. Find out what you can about the computer networks at Monash University (Hint – look on the ITS web site).
   Look at the physical network topology (∼ note the faster link in the redundancy system between Clayton and Caulfield, and Clayton and The Alfred Hospital and that of Clayton to Gippsland, Berwick and Peninsula – can you suggest why?)
2. What is the standard CAT-5 cabling specifications at Monash? Is this necessary information for a systems analyst?
3. Is the Monash network a LAN, a WAN, part of the Internet, an Intranet or what?
4. What wireless networking facilities are available at Monash (Clayton and Caulfield only)?

Activity 2: Internet Service Providers (30 minutes + Presentations)

*Groups of three*

- Internet service providers. What are these and who uses them? You will need to do some academic research and not only look at marketing material.
- Create a comparative table to present your findings (don’t forget to cite your references) to represent your findings for the following
  - Explore the business services of at least three different service providers that are available to Victorian businesses – (For example What are the services, costs, assistance, speed, access, backup, etc).
- How many business (and households) in Australia have an online presence?
- What about ‘not-for-profit’ – what services are available to them – and what costs are involved?

Activity 3: Network Comparison (30 minutes)

*Groups of three*

Develop a chart comparison table for coaxial cable, CAT 5, and wireless connectivity. Include in the table at least the following: the cost of equipment, range of service, security rating (make up your own), flexibility.

Activity 4: Asking the Right IT Questions (20 minutes)

*Groups of two*

1. You have been asked to develop a small online ordering system for the purchasing of merchandise for the St Kilda Women’s Football (Australian Rules) club. At the first client interview you can only ask three IT related questions - what would these be? What type of IT related information would you research before AND after the initial client meeting?
2. Your tutor will tell you about this activity.

The remainder of time is to be spent working on the IMS1502 assignment.