

# INFO 3605 – Fundamentals of LAN Technologies (2022/2023 Semester I)

## Assignment 2

Date Given: **2022/11/06**

Percentage towards coursework: **10%**

This is an individual assignment, no group work. Discussions and questions can be done in the forum.

This assignment is out of **100** marks.

The assignment is due midnight **Sunday 20<sup>th</sup> November 2022**

Create a word document matching the question format below to record **ALL** ip addresses and commands used.

- 1) Create a close representation of your home network in **GNS3**.
  - a) Plan out your network ip addresses, interfaces, masks and gateway. Fill out the network table below. **[20 marks]**  
You can use generic computer and device names.

### IP Addressing and Networks

IP Addresses on interfaces for computers and routers facing the computer networks.

Name	Interface	IP Address	Subnet Mask	Network Address	Broadcast Address	Gateway

IP Addresses on interfaces for the router (some information will be duplicated from above).

Name	Interface	IP Address	Subnet Mask	Network Address	Broadcast Address	Comments

- b) Ensure there is at least one router with the interfaces configured (at least two interfaces are required, one will be used for your network, and the other will be used to connect to the Internet). **[20 marks]**
  - c) Add, connect and configure your network switches and wireless access points. **[20 marks]**
  - d) Add, connect and configure ALL your computers and devices. **[20 marks]**
  - e) Save your configurations on the equipment. **[10 marks]**
  - f) Include a screenshot of your final network diagram. **[10 marks]**

## Commands Used

*[Use this as an example to place your commands]*

## Assignment Notes

- The assignment is expected to contain a large number of pages due to screenshots.
- The assignment is due **two weeks** from the date of issue.
- All files (word document, GNS3 project file, other files) should be **zipped** with the filename in the following format: **INFO3605 - Assignment 2 – [id number].zip**. Submission is done via **My e-learning** Assignment submission
- Full internet research may be required and be sure to cite your sources using <http://www.citationmachine.net/> (recommended for this assignment) or <https://www.zotero.org/> (more complex) or EndNote (<http://libguides.uwi.edu/endnotex7>, also complex) and also to create your list of references and/or bibliography.
- Plagiarism will **NOT** be tolerated:
  - <https://sta.uwi.edu/resources/policies/Anti-Plagiarism.pdf> .
  - [https://sta.uwi.edu/resources/documents/postgrad/Policy\\_plagiarism.pdf](https://sta.uwi.edu/resources/documents/postgrad/Policy_plagiarism.pdf) .