

## **Oral Presentation Assignments Section 0401**

**Your Presentations will be on Wednesday, 11 March, 2015**

<b>Abdulkadir</b>	<b>Marconi and the early history of radio broadcasting.</b>
<b>Brower</b>	<b>How were sound, pictures and color encoded in analog television transmissions?</b>
<b>Fabula</b>	<b>How do cellular networks work and how are frequencies allocated</b>
<b>Gallagher</b>	<b>How do AM and FM signal transmission differ? What are the advantages and drawbacks of each?</b>
<b>Gima</b>	<b>What is a vacuum tube and how does it work?</b>
<b>Henry</b>	<b>How does a heterodyne receiver work?</b>
<b>Loman</b>	<b>What is the ionospheric plasma and how does it affect radio transmission?</b>
<b>Reiser</b>	<b>Heinrich Hertz and the discovery of electromagnetic waves.</b>
<b>Robinson-Tillenburg</b>	<b>How is high definition television transmitted and how did the switch to HD broad casting affect the spectrum of available bandwidth</b>
<b>Rogers</b>	<b>How does a crystal earpiece work? The device may also be used as a microphone</b>
<b>Someshwar</b>	<b>How do antennas work and how are they designed?</b>
<b>Stefany</b>	<b>How does wireless power transfer technology work?</b>