

**OLLSCOIL NA hÉIREANN**  
THE NATIONAL UNIVERSITY OF IRELAND, CORK  
**COLÁISTE NA hOLLSCOILE, CORCAIGH**  
UNIVERSITY COLLEGE, CORK

SAMPLE CHRISTMAS CLASS TEST

**CS1109 Programming and Web Development**

Dr. D.G. Bridge

Time allowed: Forty-five minutes

Give a well-formed, valid HTML5 document and CSS stylesheet to produce the web page shown below:



Take note of the following:

- The stylesheet will be stored in a file called `styles.css`, which will reside in a subfolder called `styles`.
- Screen reader users have expressed a preference that, in the HTML source, the *Welcome* material comes before the *Forthcoming events*, which, in its turn, come before the navigation menu.
- The content (which has a white background) is centered in the window (which has a gray background).
- The banner is a JPEG image and is 750 pixels wide. It is stored in a file called `banner.jpg`, which resides in a subfolder called `images`.
- Your clients have requested a *liquid layout*.
- To help you determine percentages, your clients tell you that, when the window is 1000 pixels wide, then the content must be 750 pixels wide; the navigation must be 150 pixels wide; and both the *Welcome* material and the *Forthcoming events* must be 300 pixels wide.
- In the navigation menu (on the left), the links are relative URLs to the following documents: `rules.html`, `history.html` and `sandwiches.html`, respectively. The links have been given some padding, a bottom border and a right border.