introduction

Before we can understand the positions and motions of celestial bodies, it is necessary to have an understanding of *spherical geometry*. Spherical geometry is the study of geometry on the surface of a sphere and is the spherical analogue of the planar geometry you will have studied at school. In this series of lectures we will explore some of the basic concepts of spherical geometry. We will then show how these concepts can be applied by solving some everyday problems to do with the measurement of position and distance on the surface of the Earth.