

## ***NAS Part III - IT and Recording Modules***

### ***NAS Part III Computer-Aided Illustration for Archaeology***

#### **Aims**

This course will provide an introduction into to use of current computer-aided design (CAD) software to produce archaeological illustrations and technical drawings. Students will make use of a 'solid modelling' CAD package *PTC ProDESKTOP 20002i*. The course will be suitable for individuals undertaking the NAS training syllabus and those who wish to experience the use of CAD software in general.

#### **Course outline**

- Theoretical introduction to computer-aided design in general. Current developments and the range of available software. Features of solid modelling based software.
- Practical familiarisation with *ProDESKTOP* software. Creating a 'design'
- Practical introduction to photo-realistic rendering of a 'design'. Automated production of technical drawings.
- Students to work through a series of guided units to produce illustrations of archaeological artefacts from *HMS Invincible* (1744-1758).
- An overview will be given showing how CAD images could be integrated with other software packages.
- Students will have the opportunity to use the software to plan and produce drawings of a range of actual artefacts from the *Mary Rose*.

#### **Teaching outcomes:**

Students will work through a series of guided units at their own pace. Upon completion of this course participants will have an appreciation of the range of CAD software available and how solid modelling might be used for archaeological illustration. Participants will have a sound introduction to the use of *ProDESKTOP* software and would be able to use the software to produce basic illustrations that could be incorporated into an archaeological report.

#### **Suggested Reading**

PTC web site. [www.ptc.com](http://www.ptc.com). (who produce *ProDESKTOP* and *ProENGINEER*)

CSA CAD guide for Archaeologists. on [www.csanet.org](http://www.csanet.org) (this website is more focused on architectural rather than artefact illustration)