Research and reconstruction of Wooden Ships

01.02 Final Project

Filipe Castro
Last edited: June 2020
Final Project

Written Portion in *PowerPoint* (8.5 x 11 in.), or in *Publisher*;
Hull Analysis presented with partial calculations and drawings;
Lines drawings and construction drawings scanned.
Final Project

1. A complete set of lines;
2. Hull calculations;
3. Construction plans:
   a. Longitudinal section;
   b. Two transverse sections (one at the widest point on the hull);
   c. Plan of main deck.
Final Project

1. It must be built of wood.
2. No dugouts, rafts, birch bark canoes, etc.
3. No pleasure craft.
4. It must be at least 10 meters long, but no more than 40 meters.
5. It should not have elaborate castles or deck structures.
6. It may not be a specific vessel for which plans already exist, or a direct copy of such.
Final Project

Checklist for submission:

- Drawings (lines, construction, deck)  
- Principal dimensions
- Title blocks on all drawings  
- Scantling list
- Written analysis and bibliography  
- Calculated displacement and hull coefficients (with worksheets showing calculations)

Written portion:

A short-written report, about 2,000 words. Presented in the IJNA format, Times New Roman 12, 1.5 line spacing, no indented paragraphs, 6 points after every paragraph, with a cover, blank last page, and bound:

1. Introduction
2. Description of the vessel chosen
3. Research
4. Final result
5. Hull Analysis
   1. Principal dimensions
   2. Scantling list
   3. Hull calculations
   4. Coefficients
5. References
Final Project Examples

Classical oared craft (c. 500 – c. 200 BCE)
Ma'agan Michael (c. 400 BCE)
Final Project

Kyrenia (c. 300 BCE)
Final Project

Madrague de Giens (c. 60 BCE)
Final Project

Anse des Laurons II (c. AD 200)
Final Project

Cais do Sodré (c. 1500)
Aveiro A (c. 1450)
Final Project

...or Calvi 1, or Lomelina
Contents

A short-written report, about 2,000 words. Presented in the IJNA format, Times New Roman 12, 1.5 line spacing, no indented paragraphs, 6 points after every paragraph, with a cover, blank last page, and bound:

1. Introduction
2. Description of the vessel chosen
3. Research (include iconographical research)
4. Final result – Conclusion (scan the lines drawings and construction drawings and include them in this section of your report)
5. Hull Analysis
   1. Principal dimensions
   2. Scantling list
   3. Hull calculations
   4. Coefficients
6. References