280623 - Celestial Navigation

Coordinating unit: 280 - FNB - Barcelona School of Nautical Studies
Teaching unit: 742 - CEN - Department of Nautical Sciences and Engineering
Academic year: 2018
Degree: BACHELOR'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT (Syllabus 2010).
( Teaching unit Compulsory)
ECTS credits: 6 Teaching languages: Catalan

Teaching staff
Coordinator: AGUSTIN MARTIN MALLOFRE
Others: Segon quadrimestre:
AGUSTIN MARTIN MALLOFRE - 1

Degree competences to which the subject contributes

Specific:
2. Knowledge of navigation techniques based on the determination of the position, heading, time, speed and distance. Ability to perform calculations: navigation co 5ter kinematics of the ship, reckoning, plane sailing, navigation, great circle, celestial navigation, electronic navigation and inertial navigation. Lift charts.

Generic:
1. Capacitat PER CONCEBRE, I MANAGE TO IMPLEMENT SISTEMES Complexos L’ambit of L’ENGINYERIA NAUTICA I TRANSPORT MARÍTIM

Learning objectives of the subject

Knowledge of the celestial navigation techniques.

Competencies
The specific CE. 18 and additionally this subject is going to asses the competence STCW in its chart A-II/1: "Plan and conduction a passage and determine the position", in its section of celestial navigation, the ability to use celestial bodies to determine the ship's position.

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 20h</th>
<th>13.33%</th>
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<tbody>
<tr>
<td></td>
<td>Hours medium group: 20h</td>
<td>13.33%</td>
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<tr>
<td></td>
<td>Hours small group: 10h</td>
<td>6.67%</td>
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<tr>
<td></td>
<td>Guided activities: 10h</td>
<td>6.67%</td>
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<tr>
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<td>Self study: 90h</td>
<td>60.00%</td>
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</table>
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Content

(ENG) Coordenades celestes.

Degree competences to which the content contributes:

(ENG) Triangle de posició.

Degree competences to which the content contributes:

(ENG) Identificació d’estels.

Degree competences to which the content contributes:

(ENG) Temps.

Degree competences to which the content contributes:

(ENG) Almanac Nàutic.

Degree competences to which the content contributes:

(ENG) Sextant.

Degree competences to which the content contributes:

(ENG) Recta d’altura.

Degree competences to which the content contributes:

(ENG) Laboratori de navegació.

Degree competences to which the content contributes:
Bibliography

Basic:


Complementary:

