

IKASLEAREN GIDA

KANPOKO PRAKTIKAK ITSASKETARAKO MERKATARITZA ITSASONTZIAN ZAINZA ZUBIAN EDUKITA (NAUTIKA ETA ITSAS GARRAIOKO GRADUA)

Hona ikasleen zereginak:

Ikasleek **1. taulan** adierazitako azpizereginak egin eta tutoreari bidali behar dizkiote. Ikasleek egindako azpizereginak zuzentzeko iradoki dezake tutoreak.

Nahitaezkoa da, itsasontziko praktikak gainditzeko, ikasleek 1. taulan zehaztutako zeregin bakoitzetik azpizeregin bat gutxienez egitea. Itsasontzi mota edo bestelako arrazoiengatik egin ez diren zereginak ez dira kontuan hartuko. Esaterako, ez da nahitaezkoa '*Carriage, stowage and dunnage of cargo*' zeregina tanke itsasontzi batean egitea.

Instruktoarearen txostena

Instruktoorea da ikasleek egindako praktiken itsasontziko arduraduna. INSTRUKTOAREAREN TXOSTENA, instruktoareak praktiken gainean egindako balorazioa jasotzen duena, entregatu beharko dute ikasleek praktikak amaitutakoan. Txosten hori instruktoareari eskatu behar diote ikasleek, praktikak egin dituzten itsasontzitik jaitsi baino lehen.

Ebaluazioa

Praktikak egiteko aldia amaitutakoan eta ikasleek azpizeregin guztiak entregatutakoan kalifikatuko du irakasgaia tutoreak.

Tutorearen ebaluazioa ikasleek egindako azpizeregin kopuruarekin eta bere balorazioarekin lotuta egongo da, betiere **2. taulako** errubrika kontuan hartuta. Hortaz, errubrika horretan jaso bezala, azpizeregin bakoitza 0tik 3ra kalifikatuko da. Tutorearen azken ebaluazioa egiteko, kontuan hartuko da egindako azpizeregin bakoitzean lortutako kalifikazio guztien batuketa eta horri **3. taulako** errubrika aplikatuko zaio.

Tutorearen kalifikazioa nota osoaren %90a izango da eta instruktoarearen kalifikazioa nota osoaren %10a.

1. taula

ZEREGINAK	AZPIZEREGINAK
<i>Passage planning in sea waters</i>	<ul style="list-style-type: none"> • Passage Plan Checklist • Passage Plan Sheet • Passage Plan Note Book • Publications list on board • Bridge equipment list • WO calculations (also using ECDIS) • Parallel index (also using ECDIS)
<i>Passage planning into pilot waters</i>	<ul style="list-style-type: none"> • Berthing plan (also using ECDIS) • Anchor plan (also using ECDIS) • Squat calculation • UKC calculation • Echosounder calibration • Possible interaction effects
<i>Celestial navigation calculations</i>	<ul style="list-style-type: none"> • Latitude calculation at noon from Sun • Latitude calculation from Polaris • Position calculation from Stars
<i>Coastal navigation calculations</i>	<ul style="list-style-type: none"> • Fixing position using visual bearings • Fixing position using visual bearing and distance (also using ECDIS) • Leading line use in pilot waters navigation (also using ECDIS) • Distance calculation using vertical angles comparing to radar distance • Fixing position using horizontal angles • Stream calculation using visual marks (also using ECDIS) • Information collected from sailing directions and charts for a passage
<i>Dead reckoning calculations</i>	<ul style="list-style-type: none"> • Direct and inverse calculus on paper • Calculation on chart (also using ECDIS)
<i>Rhumb line track calculations</i>	<ul style="list-style-type: none"> • Direct and inverse calculus on paper • Calculation on chart (also using ECDIS)
<i>Great Circle track calculations</i>	<ul style="list-style-type: none"> • Direct and inverse calculus on paper • Calculation on chart (also using ECDIS)
<i>Composite track calculations</i>	<ul style="list-style-type: none"> • Direct and inverse calculus on paper • Calculation on chart (also using ECDIS)
<i>Radar navigation calculations</i>	<ul style="list-style-type: none"> • Exercise using plotting sheet • Parallel indexing

Tabla 1 (continuación)

ZEREGINAK	AZPIZEREGINAK
<i>Compasses</i>	<ul style="list-style-type: none">• Gyrocompass description• Magnetic compass description• Gyrocompass deviation calculation• Magnetic compass deviation calculation and comparison to the values of deviation card• Sensitivity test in magnetic compass
<i>Tidal calculations</i>	<ul style="list-style-type: none">• HW and LW time calculation using ATT• HW and LW height calculation using ATT• Depth calculation at given time using ATT• Time calculation at given depth using ATT• UKC calculation at given time using ATT• Tidal stream calculation at given time using ATT• Tidal stream calculation at given time using Tidal Diamond• Tidal stream calculation at given time using Tidal Stream Atlases• Comparison between the information given by the echo sounder or log and that obtained by means of Marine publications
<i>Trim and stability book description</i>	<ul style="list-style-type: none">• Ship main particulars• Load lines particulars• General arrangement description• Hydrostatic data description• Cross curves of stability or description (or KN curves description)• Bon Jean's curves description• Inclining test description• Hold and/or tank plan• Intact stability calculations• Permissible Still Water Bending Moment and Shear Forces Curves• Damage stability description

1. taula (jarraipena)

ZEREGINAK	AZPIZEREGINAK
<i>Cargo and trim calculations</i>	<ul style="list-style-type: none"> • Cargo calculation by means of: <ul style="list-style-type: none"> ○ draft survey (on board bulk carriers) ○ or ASTM tables (on board tankers) ○ or stowage plan (on board container and/or RO-RO ships) • Draft calculation to finalize cargo operations • Constant calculation by means of draughts
<i>Stability calculations</i>	<ul style="list-style-type: none"> • Departure stability calculations • Intermediate stability calculations • Arrival stability calculations
<i>Longitudinal strength calculations</i>	<ul style="list-style-type: none"> • Departure longitudinal strength calculations • Arrival departure strength calculations
<i>Flooding calculations</i>	<ul style="list-style-type: none"> • Draft calculations after potential flooding ship compartment • Stability calculations after potential flooding ship compartment
<i>Stranding calculations</i>	<ul style="list-style-type: none"> • Draft calculations after potential stranding in waters affected by tides • Stability calculations after potential stranding in waters affected by tides
<i>Meteorology</i>	<ul style="list-style-type: none"> • Weather reports interpretation • Weather routeing
<i>Sea trial and shop trial books</i>	<ul style="list-style-type: none"> • Speed trial description • Turning test description • Crash stop astern and ahead test description • Crash stop test at manoeuvring speed description • Shop trial description • Optimum and economic speed calculation

1. taula (jarraipena)

ZEREGINAK	AZPIZEREGINAK
<i>Carriage, stowage and dunnage of cargo</i>	<ul style="list-style-type: none"> • Application of IMBSC code to goods carried on board • Description of specific ventilation of cargo into the holds • Description of specific stowage of cargo into the holds • Description of specific lashing of cargo into the holds • Description of specific dunnage of cargo into the holds • Project cargo drafts description
<i>Safety</i>	<ul style="list-style-type: none"> • Description of survival training and drills carried out on board • Description of fire-fighting equipment • Description of survival equipment • Fire-fighting pipelines plan summary • Fire-fighting equipment plan summary • Survival equipment plan summary • Description of IAMSAR manual and equipment on board • Have you use the ICS code on board? • Description of anti-pollution equipment on board • Description of medical equipment on board
<i>Security</i>	<ul style="list-style-type: none"> • Security equipment and system description • Security drills and exercises description • Security drills and exercises assessment • Security audits and inspections description • Description and reasons of possible changes in security levels • Description and reasons of possible declaration of security • Description of any checklist or non-confidential document related to the ship security

2. taula

AZPIZEREGINAK EBALUATZEKO ERRUBRIKA	
Nota:	Deskribapena
0	Ez du oinarrizkoa egin edota omisioak eta akats barkaezinak edukita egin du.
1	Oinarrizkoa egin du, baina azalpen gehigarririk gabe.
2	Garrantzizko omisio eta akatsak izan ditu, baina ez erabakigarriak
3	Oso ondo egin du

3. taula

Balorazio	NOTA	NOTA
>120	9-10	Bikain
80-120	8-9	Oso ongi
60-80	7-8	Oso ongi
40-60	6-7	Nahiko
22-40	5-6	Aprobado
<22	<5	Suspenso

IKASLEAREN GIDA

PRAKTIKA LEHORREKO ENPRESAN (BI GRADUETARAKO) ETA SALTILLO ESKOLA ONTZIAN EDO ITSASKETARIK GABEKO MERKATARITZA ITSASONTZIETAN (PORTUETAKO ATOIONTZIAK, ETAB.) NAUTIKA ETA ITSAS GARRAIOKO GRADURAKO

Ikasleak, gutxienez, hiru lan edo zeregin egin beharko ditu, jarduerak edo praktikak egiten diren tokia deskribatuta. Praktiken irakasgaiaren kalifikazioa hobetzeko, ikasleak bi lan gehiago eginditzake. Lanak batez ere deskribatzaileak izango dira eta 5-10 orrikoak, Word dokumentuan idatzitakoak (Times New Roman, 14, lerroarte bakuna), planoak ere sar daitezke, irudiak, argazkiak, eskemak, etab. Lan horien bidez ikusi beharko litzateke ikasleak oinarrizko gaitasunak zein gaitasun orokorrak lortu dituela.

Tutoreak lan bakoitza 0tik 2ra bitartean kalifikatu beharko du. Nahitaezko hiru lan eta bi lan gehigarriengatik, guztira, 10 puntu lor daitezke.

Itsasontziko INSTRUKTOREAREN TXOSTENA, instruktoreak praktiken gainean egindako balorazioa jasotzen duena, entregatu beharko dute ikasleek praktikak amaitutakoan. Tutorearen kalifikazioa nota osoaren %90a izango da eta instruktorearen kalifikazioa nota osoaren %10a.