

# **Escuela de Ingeniería Naval y Oceánica**

**Curso 2021-2022**

**Tercer Curso Ingeniería Marítima. Primer semestre.**

## **Asignaturas:**

**MVB:** Mecanismos y Vibraciones a Bordo

**TOS:** Técnicas, cálculo e inspección de Obra Soldada

**SA:** Sistemas Auxiliares

**MSE:** Máquinas y Sistemas Eléctricos

**ES:** Equipos y Servicios

## **Aulas:**

Las clases **MVB** y **TOS** se impartirán en el aula N.01.11 del CASEM

Las demás clases de **Teoría y Problemas** (grupos P, P1 y P2): aula N.01.14 del CASEM

Clases de **Laboratorio** grupos L, L1 y L2

**Salidas de campo**, grupo S

| Semana 1: 27 de septiembre a 1 de octubre de 2021 |       |        |           |        |         |
|---|-------|--------|-----------|--------|---------|
|   | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                                       |       |        |           |        |         |
| 9:30 – 10:30                                      |       |        |           |        |         |
| 10:30 – 11:30                                     |       |        |           |        |         |
| 11:30 – 12:30                                     |       |        |           |        |         |
| 12:30 – 13:30                                     |       |        |           |        |         |
| 13:30 – 14:30                                     |       |        |           |        |         |
|   |       |        |           |        |         |
| 15:00 – 16:00                                     | MVB   |        | MVB       | SA     | MVB-P2  |
| 16:00 – 17:00                                     | MVB   | MSE    | MVB       | SA     | MVB-P2  |
| 17:00 – 18:00                                     | TOS   | MSE    | TOS       | SA     | MSE     |
| 18:00 – 19:00                                     | TOS   | MSE    | TOS       | SA     | MSE     |
| 19:00 – 20:00                                     | ES    | ES     | MVB-P1    | ES-P   | MSE-P   |
| 20:00 – 21:00                                     | ES    | ES     | MVB-P1    | ES-P   | MSE-P   |

| Semana 2: 4 al 8 de octubre de 2021 |       |        |           |        |         |
|-------------------------------------|-------|--------|-----------|--------|---------|
|                                     | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                         |       |        |           |        |         |
| 9:30 – 10:30                        |       |        |           |        | TOS-P   |
| 10:30 – 11:30                       |       |        |           |        | TOS-P   |
| 11:30 – 12:30                       |       |        |           |        | TOS-P   |
| 12:30 – 13:30                       |       |        |           |        | TOS-P   |
| 13:30 – 14:30                       |       |        |           |        |         |
|                                     |       |        |           |        |         |
| 15:00 – 16:00                       | MVB   | SA     | MVB       | SA     | MVB     |
| 16:00 – 17:00                       | MVB   | SA     | MVB       | SA     | MVB     |
| 17:00 – 18:00                       | TOS   | ES     | TOS       | SA     |         |
| 18:00 – 19:00                       | TOS   | ES     | TOS       | SA     |         |
| 19:00 – 20:00                       | MSE   | ES-P   | MVB-P1    | ES     |         |
| 20:00 – 21:00                       | MSE   | ES-P   | MVB-P1    | ES     |         |

| Semana 3: 11 a 15 de octubre de 2021 |       |        |           |        |         |
|--------------------------------------|-------|--------|-----------|--------|---------|
|                                      | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                          |       |        |           |        |         |
| 9:30 – 10:30                         |       |        |           |        |         |
| 10:30 – 11:30                        |       |        |           |        |         |
| 11:30 – 12:30                        |       |        |           |        |         |
| 12:30 – 13:30                        |       |        |           |        |         |
| 13:30 – 14:30                        |       |        |           |        |         |
|                                      |       |        |           |        |         |
| 15:00 – 16:00                        |       |        | MVB-P1    | SA     | MVB-P2  |
| 16:00 – 17:00                        |       |        | MVB-P1    | SA     | MVB-P2  |
| 17:00 – 18:00                        |       |        | MSE       | SA-P   | MSE     |
| 18:00 – 19:00                        |       |        | MSE       | SA-P   | MSE     |
| 19:00 – 20:00                        |       |        | MSE-P     | ES-P   | MSE     |
| 20:00 – 21:00                        |       |        | MSE-P     | ES-P   |         |

| Semana 4: 18 al 22 de octubre de 2021 |       |        |           |        |         |
|---------------------------------------|-------|--------|-----------|--------|---------|
|                                       | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                           |       |        |           |        |         |
| 9:30 – 10:30                          |       |        |           |        |         |
| 10:30 – 11:30                         |       |        |           |        |         |
| 11:30 – 12:30                         |       |        |           |        |         |
| 12:30 – 13:30                         |       |        |           |        |         |
| 13:30 – 14:30                         |       |        |           |        |         |
|                                       |       |        |           |        |         |
| 15:00 – 16:00                         | MVB   | SA     | MVB-P1    | SA     | MVB     |
| 16:00 – 17:00                         | MVB   | SA     | MVB-P1    | SA     | MVB     |
| 17:00 – 18:00                         | TOS   | SA     | TOS-P     | SA-L   | MSE     |
| 18:00 – 19:00                         | TOS   | ES     | TOS-P     | SA-L   | MSE     |
| 19:00 – 20:00                         | MSE   | ES     | MVB-P2    | ES     | MSE-L   |
| 20:00 – 21:00                         | MSE   |        | MVB-P2    | ES     | MSE-L   |

| Semana 5: 25 a 29 de octubre de 2021 |       |        |           |        |         |
|--------------------------------------|-------|--------|-----------|--------|---------|
|                                      | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                          |       |        |           |        |         |
| 9:30 – 10:30                         |       |        |           |        |         |
| 10:30 – 11:30                        |       |        |           |        |         |
| 11:30 – 12:30                        |       |        |           |        |         |
| 12:30 – 13:30                        |       |        |           |        |         |
| 13:30 – 14:30                        |       |        |           |        |         |
|                                      |       |        |           |        |         |
| 15:00 – 16:00                        | MVB   |        | MVB-P2    | SA     |         |
| 16:00 – 17:00                        | MVB   | MSE-P  | MVB-P2    | SA-P   | MSE-P   |
| 17:00 – 18:00                        | TOS   | MSE-P  | MVB       | SA-P   | MSE-P   |
| 18:00 – 19:00                        | TOS   | ES     | MVB       | MSE    | ES      |
| 19:00 – 20:00                        | MSE-P | ES-P   | MVB-P1    | MSE-L  | ES-P    |
| 20:00 – 21:00                        | MSE-P | ES-P   | MVB-P1    | MSE-L  | ES-P    |

| Semana 6: 1 a 5 de noviembre de 2021 |       |        |           |        |         |
|--------------------------------------|-------|--------|-----------|--------|---------|
|                                      | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                          |       |        |           |        |         |
| 9:30 – 10:30                         |       |        |           |        |         |
| 10:30 – 11:30                        |       |        |           |        |         |
| 11:30 – 12:30                        |       |        |           |        |         |
| 12:30 – 13:30                        |       |        |           |        |         |
| 13:30 – 14:30                        |       |        |           |        |         |
|                                      |       |        |           |        |         |
| 15:00 – 16:00                        |       | SA     | MVB-P2    | SA     | MVB-P2  |
| 16:00 – 17:00                        |       | SA     | MVB-P2    | SA     | MVB-P2  |
| 17:00 – 18:00                        |       | SA-P   | TOS-P     | SA-P   | TOS-P   |
| 18:00 – 19:00                        |       | SA-P   | TOS-P     | SA-P   | TOS-P   |
| 19:00 – 20:00                        |       | ES     | ES        | ES-P   | MSE     |
| 20:00 – 21:00                        |       | ES     | ES        | ES-P   | MSE     |

| Semana 7: 8 a 12 de noviembre de 2021 |       |        |           |        |         |
|---------------------------------------|-------|--------|-----------|--------|---------|
|                                       | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                           |       |        |           |        |         |
| 9:30 – 10:30                          |       |        |           |        |         |
| 10:30 – 11:30                         |       |        |           |        |         |
| 11:30 – 12:30                         |       |        |           |        |         |
| 12:30 – 13:30                         |       |        |           |        |         |
| 13:30 – 14:30                         |       |        |           |        |         |
|                                       |       |        |           |        |         |
| 15:00 – 16:00                         | MVB   | SA     | MVB-P1    | SA     | MVB-P2  |
| 16:00 – 17:00                         | MVB   | SA     | MVB-P1    | SA     | MVB-P2  |
| 17:00 – 18:00                         | TOS   | SA-P   | TOS       | SA-L   | MVB     |
| 18:00 – 19:00                         | TOS   | SA-P   | TOS       | SA-L   | MVB     |
| 19:00 – 20:00                         | MSE   | ES     | TOS-P     | ES-P   | TOS-P   |
| 20:00 – 21:00                         | MSE   | ES     | TOS-P     | ES-P   | TOS-P   |

| Semana 8: 15 a 19 de noviembre de 2021 |        |        |           |        |         |
|--|--------|--------|-----------|--------|---------|
|  | Lunes  | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                            |        |        |           |        |         |
| 9:30 – 10:30                           |        |        |           |        |         |
| 10:30 – 11:30                          |        |        |           |        |         |
| 11:30 – 12:30                          |        |        |           |        |         |
| 12:30 – 13:30                          |        |        |           |        |         |
| 13:30 – 14:30                          |        |        |           |        |         |
|  |        |        |           |        |         |
| 15:00 – 16:00                          | MVB-P1 |        | MVB-P2    | SA     |         |
| 16:00 – 17:00                          | MVB-P1 | MSE    | MVB-P2    | SA     |         |
| 17:00 – 18:00                          | TOS    | MSE-P  | TOS       | SA-P   | MSE-P   |
| 18:00 – 19:00                          | TOS    | ES     | TOS       | ES     | MSE-P   |
| 19:00 – 20:00                          | MSE-P  | ES-P   | ES-P      | ES     | MSE-L   |
| 20:00 – 21:00                          | MSE-P  | ES-P   | ES-P      | ES     | MSE-L   |

| Semana 9: 22 a 26 de noviembre de 2021 |        |        |           |        |         |
|--|--------|--------|-----------|--------|---------|
|  | Lunes  | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                            |        |        |           |        |         |
| 9:30 – 10:30                           |        |        |           |        |         |
| 10:30 – 11:30                          |        |        |           |        |         |
| 11:30 – 12:30                          |        |        |           |        |         |
| 12:30 – 13:30                          |        |        |           |        |         |
| 13:30 – 14:30                          |        |        |           |        |         |
|  |        |        |           |        |         |
| 15:00 – 16:00                          | MVB-P1 |        | MVB-P2    | SA     |         |
| 16:00 – 17:00                          | MVB-P1 |        | MVB-P2    | SA     | MSE     |
| 17:00 – 18:00                          | TOS-P  | ES     | MVB-P1    | SA-P   | MSE     |
| 18:00 – 19:00                          | TOS-P  | ES     | MVB-P1    | SA-P   | MSE-P   |
| 19:00 – 20:00                          | MSE    | ES-P   | ES-P      | ES     | ES      |
| 20:00 – 21:00                          | MSE    | ES-P   | ES-P      | ES     | ES      |

| Semana 10: 29 de noviembre a 3 de diciembre de 2021 |        |        |           |        |         |
|---|--------|--------|-----------|--------|---------|
|   | Lunes  | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30   |        |        |           | TOS-L1 | TOS-L2  |
| 9:30 – 10:30  |        |        |           | TOS-L1 | TOS-L2  |
| 10:30 – 11:30                                       |        |        |           | TOS-L1 | TOS-L2  |
| 11:30 – 12:30                                       | TOS    |        |           | TOS-L1 | TOS-L2  |
| 12:30 – 13:30                                       | TOS    |        |           | TOS-L1 | TOS-L2  |
| 13:30 – 14:30                                       |        |        |           |        |         |
|   |        |        |           |        |         |
| 15:00 – 16:00                                       | MVB-P2 |        | MVB-P2    |        | MVB-P1  |
| 16:00 – 17:00                                       | MVB-P2 |        | MVB-P2    |        | MVB-P1  |
| 17:00 – 18:00                                       | TOS    | ES     | MVB       | ES     | ES      |
| 18:00 – 19:00                                       | TOS    | ES     | MVB       | ES     | ES      |
| 19:00 – 20:00                                       | MSE    | ES-P   | MVB-P1    | ES-P   | ES      |
| 20:00 – 21:00                                       | MSE    | ES-P   | MVB-P1    | ES-P   | ES      |

| Semana 11: 6 a 10 de diciembre de 2021 |       |        |           |        |         |
|--|-------|--------|-----------|--------|---------|
|  | Lunes | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                            |       |        |           |        | TOS-L1  |
| 9:30 – 10:30                           |       |        |           | TOS-L3 | TOS-L1  |
| 10:30 – 11:30                          |       |        |           | TOS-L3 | TOS-L1  |
| 11:30 – 12:30                          |       |        |           | TOS-L3 | TOS-L1  |
| 12:30 – 13:30                          |       |        |           | TOS-L3 | TOS-L1  |
| 13:30 – 14:30                          |       |        |           | TOS-L3 |         |
|  |       |        |           |        |         |
| 15:00 – 16:00                          |       |        |           |        | TOS     |
| 16:00 – 17:00                          |       |        |           | SA-P   | TOS     |
| 17:00 – 18:00                          |       |        |           | SA-L   | ES      |
| 18:00 – 19:00                          |       |        |           | SA-L   | ES      |
| 19:00 – 20:00                          |       |        |           | MSE-L  |         |
| 20:00 – 21:00                          |       |        |           | MSE-L  |         |

| Semana 12: 13 a 17 de diciembre de 2021 |        |        |           |        |         |
|---|--------|--------|-----------|--------|---------|
|   | Lunes  | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                             |        |        |           | TOS-L2 | TOS-L3  |
| 9:30 – 10:30                            |        |        |           | TOS-L2 | TOS-L3  |
| 10:30 – 11:30                           |        |        |           | TOS-L2 | TOS-L3  |
| 11:30 – 12:30                           |        |        |           | TOS-L2 | TOS-L3  |
| 12:30 – 13:30                           |        |        |           | TOS-L2 | TOS-L3  |
| 13:30 – 14:30                           |        |        |           |        |         |
|   |        |        |           |        |         |
| 15:00 – 16:00                           | MVB-P1 |        | MVB-P2    |        | MVB     |
| 16:00 – 17:00                           | MVB-P1 |        | MVB-P2    | ES-S   | MVB     |
| 17:00 – 18:00                           | TOS    | ES-P   | TOS       | ES-S   | MSE-P   |
| 18:00 – 19:00                           | TOS    | ES-P   | TOS       | ES-S   | MSE-P   |
| 19:00 – 20:00                           | MSE    | ES-P   | TOS-P     | ES-S   | ES-P    |
| 20:00 – 21:00                           | MSE    | ES-P   | TOS-P     | ES-S   | ES-P    |

| Semana 13: 20 a 24 de diciembre de 2021 |        |        |           |        |         |
|---|--------|--------|-----------|--------|---------|
|   | Lunes  | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                             |        |        |           |        |         |
| 9:30 – 10:30                            | MVB-P1 |        | TOS-P     |        |         |
| 10:30 – 11:30                           | MVB-P1 |        | TOS-P     |        |         |
| 11:30 – 12:30                           | MVB    |        |           |        |         |
| 12:30 – 13:30                           | MVB    |        |           |        |         |
| 13:30 – 14:30                           |        |        |           |        |         |
|   |        |        |           |        |         |
| 15:00 – 16:00                           | MVB-P1 | SA-L   |           |        |         |
| 16:00 – 17:00                           | MVB-P1 | SA-L   |           |        |         |
| 17:00 – 18:00                           | MVB-P2 | ES-P   |           |        |         |
| 18:00 – 19:00                           | MVB-P2 | ES     |           |        |         |
| 19:00 – 20:00                           | SA-P   | ES     |           |        |         |
| 20:00 – 21:00                           | SA-P   | ES     |           |        |         |

| Semana 14: 10 a 14 de enero de 2022 |        |        |           |        |         |
|-------------------------------------|--------|--------|-----------|--------|---------|
|                                     | Lunes  | Martes | Miércoles | Jueves | Viernes |
| 8:30 – 9:30                         |        |        |           |        |         |
| 9:30 – 10:30                        |        |        |           |        |         |
| 10:30 – 11:30                       |        |        |           |        |         |
| 11:30 – 12:30                       |        |        |           |        |         |
| 12:30 – 13:30                       |        |        |           |        |         |
| 13:30 – 14:30                       |        |        |           |        |         |
|                                     |        |        |           |        |         |
| 15:00 – 16:00                       | MVB    | MVB-P2 | MSE-P     | SA-L   | ES-S    |
| 16:00 – 17:00                       | MVB    | MVB-P2 | MSE-P     | SA-L   | ES-S    |
| 17:00 – 18:00                       | MVB-P1 | SA-P   | MSE-L     | ES-P   | ES-S    |
| 18:00 – 19:00                       | MVB-P1 | SA-P   | MSE-L     | ES-P   | ES-S    |
| 19:00 – 20:00                       | MVB-P2 | SA-P   | ES        | ES-P   | ES-S    |
| 20:00 – 21:00                       | MVB-P2 | SA-P   | ES        | ES-P   |         |