## UNIVERSIDAD MAYOR REAL Y PONTIFICIA DE SAN FRANCISCO XAVIER DE CHUQUISACA FACULTAD DE CIENCIAS Y TECNOLOGÍA



## **PRÁCTICA 5 GRCP**

**CARRERA:** INGENIERÍA DE SISTEMAS

MATERIA: MICROSERVICIOS (COM600)

**DOCENTE: ING. CARLOS MONTELLANO** 

**UNIVERSITARIOS:** TORRES LOAYZA ALBERTO ANTONIO

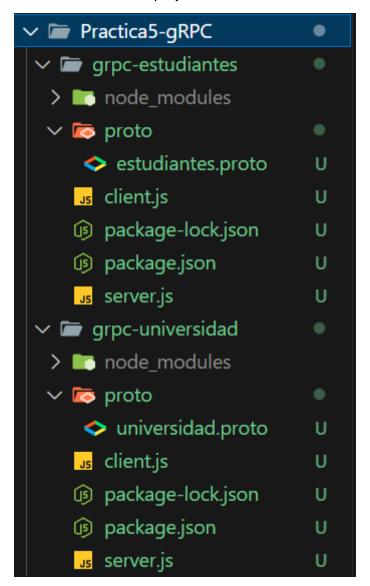
**FECHA:** 24/09/2025

**GESTIÓN: 2/2025** 

**SUCRE – BOLIVIA** 

## PRÁCTICA GRPC

Estructura de ambos proyectos:



1. Corrida del código de proyecto grpc-estudiantes

```
PROBLEMS (1) OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELCHECKER (1)

PS C:\Users\Alberto Torrez L\Desktop\COM@@\MicroserviciosAATL\Practicas\Practic
as-gRPC\grpc-estudiantes node server.js
Servidor gRPC escuchando en 50051
(node: 22500 | DeprecationAmaning: Calling start() is no longer necessary. It can be safely omitted.
(Use 'node --trace-deprecation ...' to show where the warning was created)

| Service of the service of t
```

2. Corrida del código de proyecto grpc-universidad

## Si un estudiante ya se inscribió a un curso no se puede volver a inscribir:

```
PS C:\Users\Alberto Torrez L\Desktop\COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad> node client.js

== 1) Registrar estudiante ==

X Ernor: Ernor: 6 ALBEADY_EXITS: Estudiante ya existe
at callErnorFromStatus (C:\Users\Alberto Torrez L\Desktop\COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad\node_modules\@grpc\grpc
c-js\Duild\src\call.js:32:19)
at Object.onReceiveStatus (C:\Users\Alberto Torrez L\Desktop\COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad\node_modules\@grpc\grpc
grpc-js\Duild\src\client.js:193:76)
at Object.onReceiveStatus (C:\Users\Alberto Torrez L\Desktop\COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad\node_modules\@grpc\grpc-js\Duild\src\client-interceptors.js:367:141)
at Object.onReceiveStatus (C:\Users\Alberto Torrez L\Desktop\COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad\node_modules\@grpc\grpc-js\Duild\src\client-interceptors.js:327:181)
grpc.js\Duild\src\client-interceptors.js:327:181)
at ServiceClientImpl.canonymous>
at ServiceClientImpl.canonymous>
c(:\Users\Alberto\X26Torrex\X20L/Desktop\COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad\node_modules\@grpc\grpc-js\Duild\src\client-js:163:2)
at serviceClientImpl.canonymous>
at file:///c:/Users/AlbertoX26Torrex\X20L/Desktop/COM6600\MicroserviciosAATL\Practicas\Practica5-gRPC\grpc-universidad/client.js:13:10
at new Promise (canonymous)
at agregar=Estudiante (file:///c:/Users/AlbertoX26Torrex\X20L/Desktop/COM6600\MicroserviciosAATL\Practicas/Practica5-gRPC\grpc-universidad/client.js:13:23
at file:///c:/Users/AlbertoX26Torrex\X20L/Desktop/COM6600\MicroserviciosAATL\Practicas/Practica5-gRPC\grpc-universidad/client.js:30:23
at file:///c:/Users/AlbertoX26Torrex\X20L/Desktop/COM6600\MicroserviciosAATL\Practicas/Practica5-gRPC\grpc-universidad/client.js:30:23
at file:///c:/Users/AlbertoX26Torrex\X20L/Desktop/COM6600\MicroserviciosAATL\Practicas/Practica5-gRPC\grpc-universidad/client.js:30:23
at file:///c:/Users/AlbertoX26Tor
```