



“Secretaría De La Educación Superior”  
“Instituto Tecnológico de Cancún”

## **Ingeniería en Sistemas Computacionales**

**Materia:** Fundamentos de Telecomunicaciones

**Tema:** Laboratorio N#35 Wireshark

**Alumno:** Vargas Rodríguez Javier Jesús

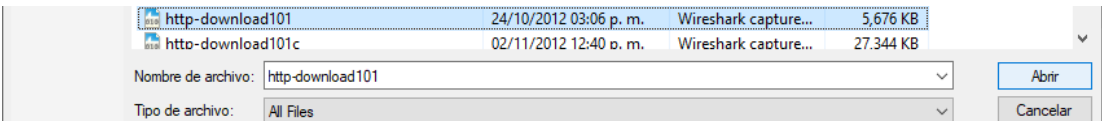
**Maestro:** Ismael Jiménez Sánchez

***Fecha De Entrega: 6/Diciembre/2020***

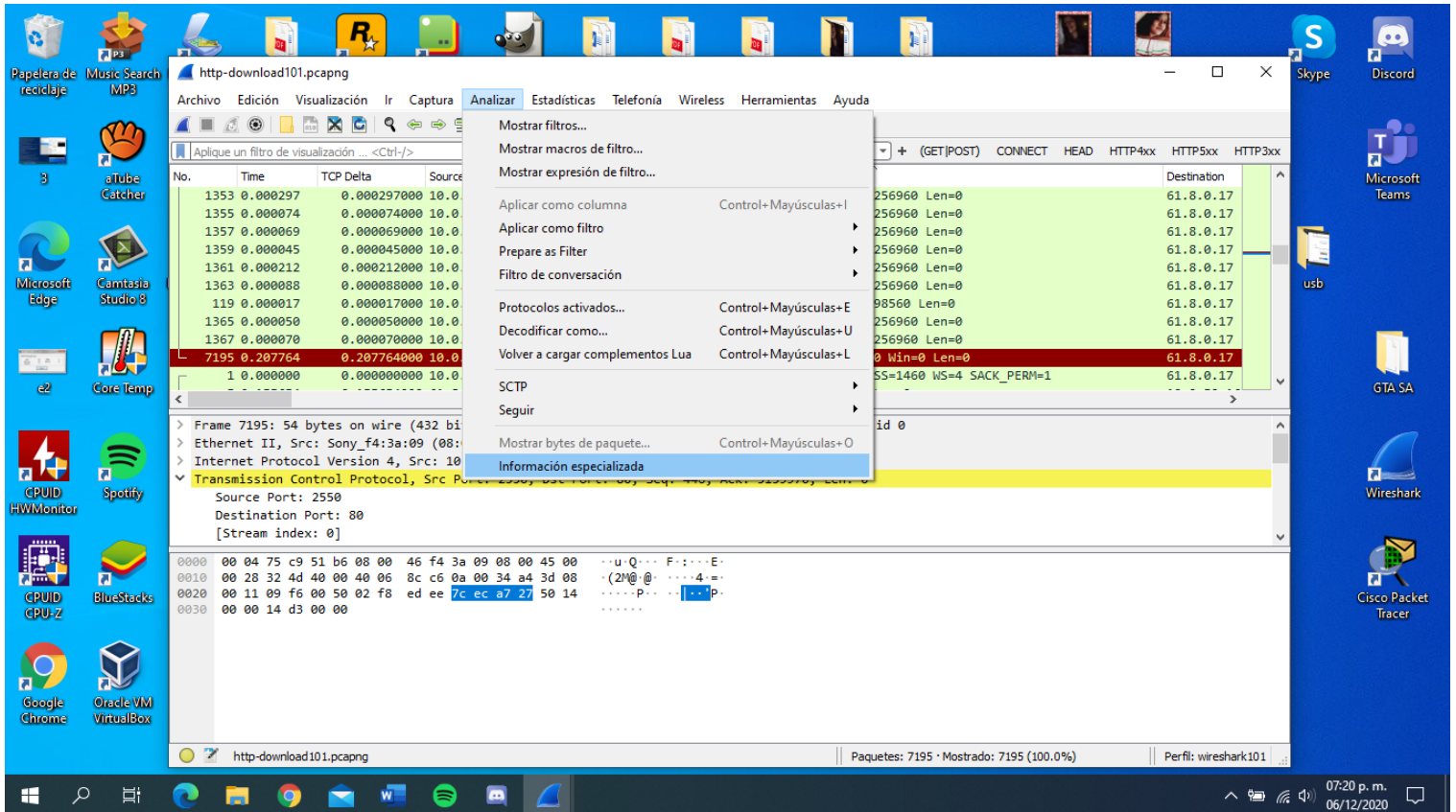
Horario: 5:00 pm – 6:00 pm

## Laboratio N#35 – Identificar a un cliente sobrecargado

Paso 1 – Abra http-download101.pcapng



Paso 2 – Haga clic en el botón de información del experto en la barra de estado.



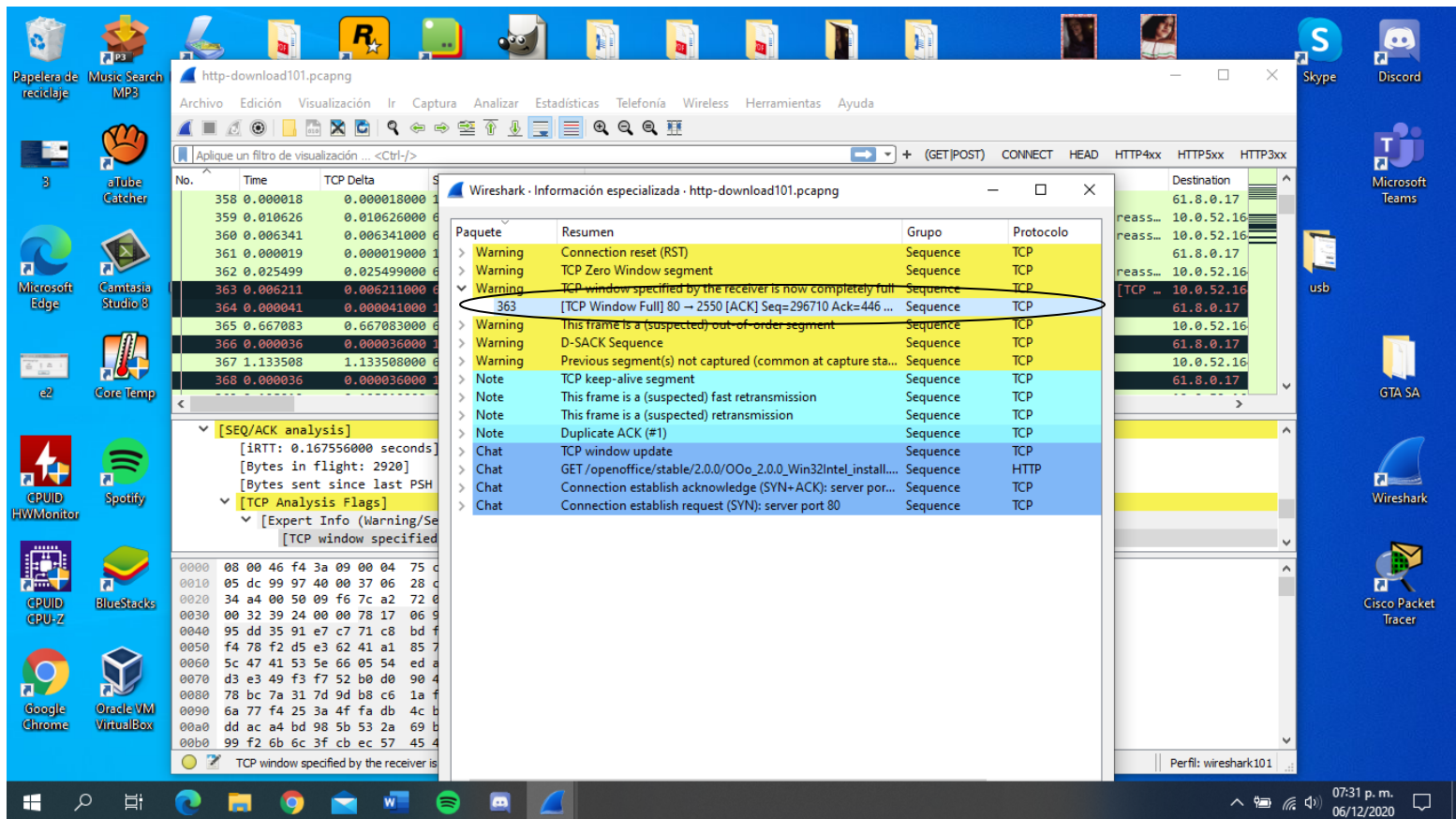
Paso 3 – Expanda las secciones de Advertencia y Nota para examinar los problemas detectados en un archivo de seguimiento.

The screenshot displays a Windows desktop environment with various applications and icons. The primary focus is on the Wireshark network protocol analyzer, which is open to a packet capture file named 'http-download101.pcapng'. The interface is divided into several panes:

- Packet List:** This pane on the left shows a list of captured packets. Several packets are highlighted with yellow warning icons and text, indicating network issues:
  - Warning: Connection reset (RST) - Packet 7195: 2550 → 80 [RST, ACK] Seq=446 Ack=5159970 Win=0 Len=0
  - Warning: TCP Zero Window segment - Packets 364, 366, 368, 370, 372, 374, 376: [TCP ZeroWindow] 2550 → 80 [ACK] Seq=446 Ack=298170 ...
  - Warning: TCP window specified by the receiver is now completely full - Packet 363: [TCP Window Full] 80 → 2550 [ACK] Seq=296710 Ack=446 ...
  - Warning: This frame is a (suspected) out-of-order segment - Packets 239, 240, 242, 244, 246, 274, 302, 303, 407, 413, 418, 682, 692, 702, 719, 955: [TCP Out-Of-Order] 80 → 2550 [ACK] Seq=...
- Packet Details:** This pane in the center shows the hierarchical structure of the selected packet (7195). It includes:
  - Ethernet II, Src: Sony\_f4:3a:09 (08:00:46:00:00:00)
  - Internet Protocol Version 4, Src: 10.0.52.1
  - Transmission Control Protocol, Src Port: 2550, Destination Port: 80, [Stream index: 0]
- Packet Bytes:** This pane at the bottom shows the raw hexadecimal and ASCII data of the selected packet.

The desktop background is blue, and the taskbar at the bottom shows various application icons, including Microsoft Edge, Spotify, and Google Chrome. The system clock in the bottom right corner indicates the time is 07:21 p.m. on 06/12/2020.

Paso 4 – En la sección advertencia hacemos clic en el 363, la ventana TCP especificada por el receptor ahora estará completamente llena. Wireshark salta el paquete 363 en el archivo de seguimiento.



Paso 5 – Cuando haya terminado de revisar la información del experto, hacemos clic en cerrar la ventana.