



# Digital Lync

EDUCATION - INNOVATION - INCUBATION



# GAME DEVELOPMENT

[www.digital-lync.com](http://www.digital-lync.com)

# COURSE CURRICULUM

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## ✔ Module 1: Working in Unity (3 hrs)

Basics

Asset Workflow

The Main Windows

Creating Gameplay

Editor Features

Advanced Development

Advanced Editor Topics

Licenses and Activation

Upgrade Guides

## ✔ Module 2: Unity 2D (20 hrs)

Gameplay in 2D

2D Graphics

2D Physics

Sprites

Sprite Tools:

Sprite Creator

Sprite Editor

Sprite Renderer

Sprite Packer

## Physics 2D Settings:

Rigidbody 2D

Collider 2D

Physics Material 2D

2D Joints

## ✔ Module 3: Graphics (2 hrs)

Graphics Overview

Graphics Reference

## ✔ Module 4: Physics (20 hrs)

Rigidbody

Colliders

Joints

Physics Material

Raycast

Character controller

## ✔ Module 5: Scripting (3 hrs)

Scripting Overview

Scripting Tools

Console Window

MonoDevelop

Event System

## ✔ **Module 6: Multiplayer and Networking (15 hrs)**

High level scripting API

Engine and Editor integration

Internet Services

Network Transport real-time transport layer

## ✔ **Module 7: Audio (5 hrs)**

Audio Overview

Basic Theory

Working with Audio Assets

Audio Recording

## ✔ **Module 8: Animation (5hrs)**

Animation System Overview

Animation Clips

Animator Controllers

## ✔ **Module 9: UI (10 hrs)**

Canvas

Basic Layout

The Rect Tool

Rect Transform

Pivot

Anchors



## UI Components:

Text

Image

Buttons

Input Fields

Dropdown

Toggles

Toggle Group

Slider

Scroll View

Grid Layout

Horizontal Layout

Vertical Layout

## ✓ Module 9: Navigation and Pathfinding (8 hrs)

Navigation system in Unity

NavMesh (short for Navigation Mesh)

NavMesh Agent

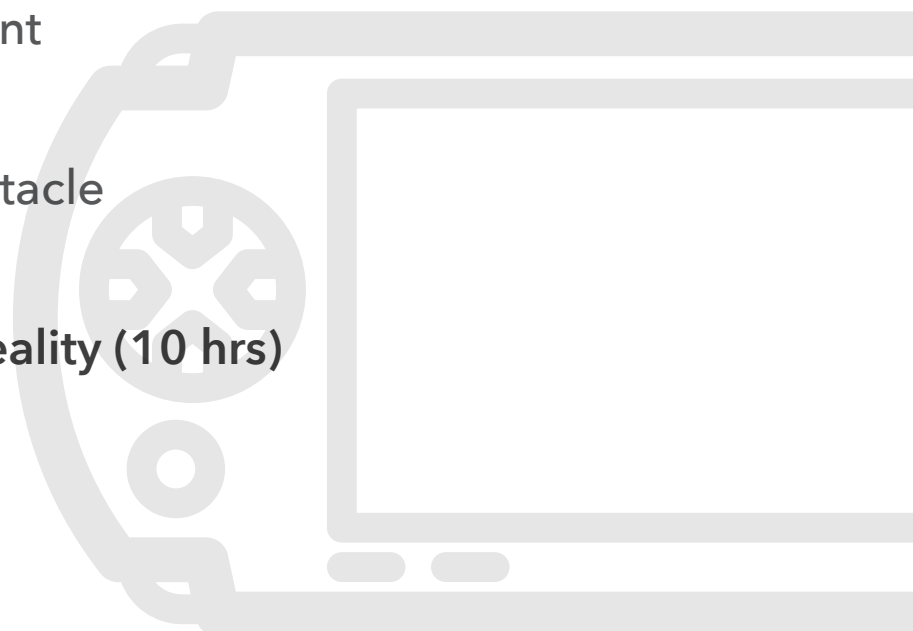
Off-Mesh Link

NavMesh Obstacle

## ✓ Module 10: Virtual Reality (10 hrs)

VR overview

VR devices



VR device information

VR Audio Spatializers

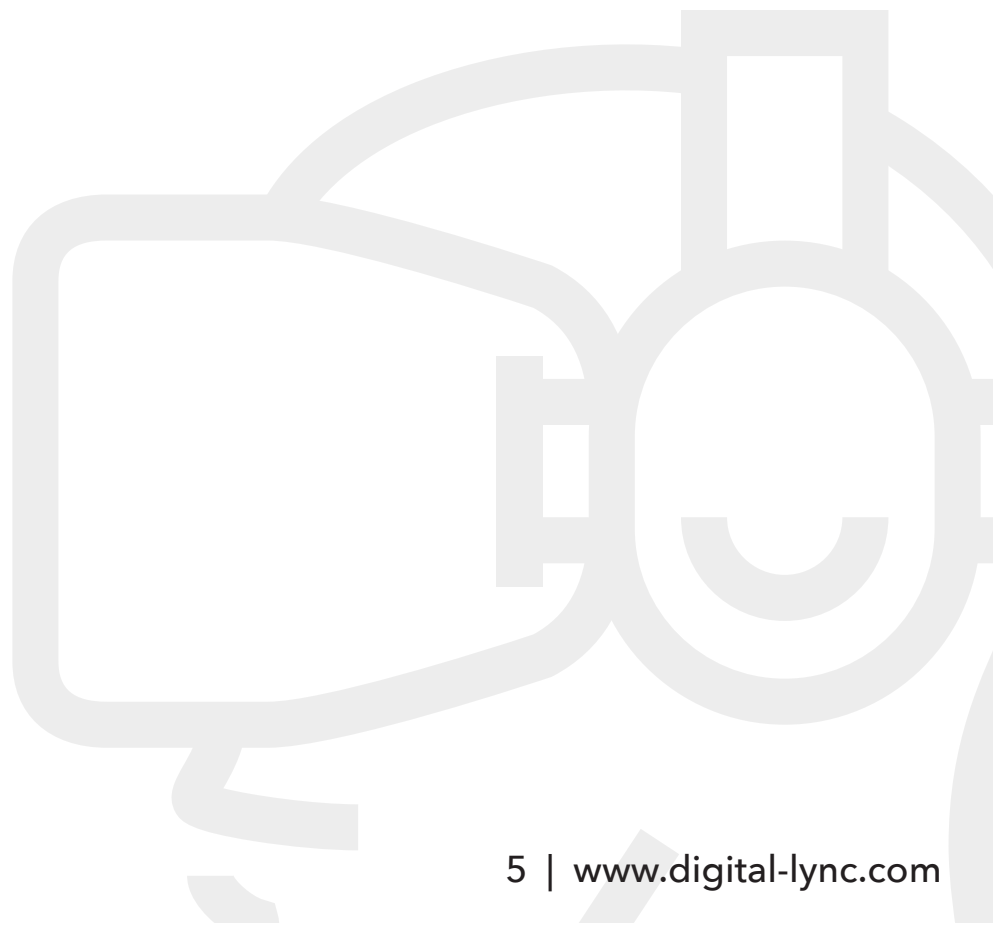
✔ **Module 11: Augmented Reality (10 hrs)**

AR overview

AR devices

AR device information

AR Audio Spatializers





## **HEADQUARTERS**

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