# Course.html

<!DOCTYPE html>

<html>

<head>

    <meta charset='utf-8'>

    <title>Courses</title>

    <link rel='stylesheet' type='text/css' media='screen' href='course.css'>

    <!-- unicon css-->

    <link rel="stylesheet" href="https://unicons.iconscout.com/release/v4.0.8/css/line.css">

    <script src="https://code.jquery.com/jquery-3.4.1.min.js"

        integrity="sha256-CSXorXvZcTkaix6Yvo6HppcZGetbYMGWSFlBw8HfCJo=" crossorigin="anonymous"></script>

    <script src='course.js' defer></script>

</head>

<body>

    <nav class="primary\_nav\_list">

        <i class="uil uil-bars menu\_item\_icon" id="menu\_item\_icon"></i>

        <a href="#" class="logo">Courses</a>

        <ul class="nav\_links">

            <i class="uil uil-times menu\_close\_icon" id="menu\_close\_icon"></i>

            <li><a href="#">Home</a></li>

            <li><a href="#" active>Courses</a></li>

            <li><a href="#">Contact</a></li>

        </ul>

        <i class="uil uil-search search-icons" id="search\_icon"></i>

        <div class="search-bar">

            <i class="uil uil-search search-icons"></i>

            <input type="text" placeholder="Search here..">

        </div>

    </nav>

    <section id="image\_Table\_container">

        <section id="image\_container">

            <h2>Courses list</h2>

        </section>

        <section id="filter\_contanier">

            <h3>

                Filters

            </h3>

            <div class="check\_box\_Container">

                <input type="checkbox" name="option1" value="Postgraduate" id="option1">

                <label for="option1">Postgraduate</label>

                <input type="checkbox" name="option2" value="Undergraduate" id="option2">

                <label for="option2">Undergraduate</label>

            </div>

            <div class="radio\_btn\_Container">

                <form>

                    <label>

                      <input type="radio" name="group1" value="option1" id="rd\_btn\_1" checked>

                      UK

                    </label>

                    <label>

                      <input type="radio" name="group1" value="option2" id="rd\_btn\_2">

                      Euro

                    </label>

                    <label>

                      <input type="radio" name="group1" value="option3" id="rd\_btn\_3">

                      Dollar

                    </label>

                  </form>

            </div>

        </section>

        <div id="main-content">

            <main class="table\_container">

                <section class="table\_body">

                    <table id="course\_Tbl">

                        <!--my table have only one column which will include all the details of the courses inside divs which was handled inside course.js-->

                        <tbody id="courseDetailsBody">

                        </tbody>

                    </table>

                </section>

                <div id="pagination"></div>

            </main>

        </div>

    </section>

    <footer>

    </footer>

</body>

</html>

# Course.js

const nav\_searchbar = document.querySelector('.search-bar'),

    nav\_list = document.querySelector('.primary\_nav\_list'),

    searchicon = document.querySelector('#search\_icon'),

    menu\_icon = document.querySelector('#menu\_item\_icon'),

    menu\_close\_icon = document.querySelector('#menu\_close\_icon')

    ;

var feeType = "UK";// decide which fee type user is prefered

var pre\_FeeType = "";// previously which was selected

//when serach icon click add new class call enable searcha and enable my hidden class and change my icon

searchicon.addEventListener('click', () => {

    nav\_searchbar.classList.toggle("enable-Search");

    nav\_list.classList.remove("enableMenu")

    if (nav\_searchbar.classList.contains("enable-Search")) {

        return searchicon.classList.replace("uil-search", "uil-times")

    }

    searchicon.classList.replace("uil-times", "uil-search")

})

menu\_icon.addEventListener('click', () => {

    nav\_list.classList.add("enableMenu")

    nav\_searchbar.classList.remove("enable-Search");

    searchicon.classList.replace("uil-times", "uil-search")

})

menu\_close\_icon.addEventListener('click', () => {

    nav\_list.classList.remove("enableMenu")

})

//load details from json file

let jsonVal;

$(document).ready(function callBackFun() {

    setTimeout(function () {

        $.ajax({

            url: 'course.json',

            type: 'GET',

            dataType: "json",

            success: function (response) {

                jsonVal = response;

                console.log("call again");//for debugging purporse

                getDetails(response);// calling getDetails function again

                callBackFun();// after success execution call the function agaian

            },

            error: function (xhr, status, error) {

                console.log('Error:', error);

            }

        });

    }, 200)

});

//distribute the reponse of json to table values

function getDetails(response) {

    $.each(response, function () {

        var html = "";//to store the table body

        let table = document.getElementById("course\_Tbl");

        var text2 = "";// to store the course level msc or bsc

        var entryRequirement = "";

        //check whether number of rows and json response are equal otherwise update it

        if (response.courses.length != table.rows.length || feeType != pre\_FeeType) {

            document.getElementById("courseDetailsBody").innerHTML = "";//get table body by id

            pre\_FeeType = feeType;//assign value which used has selected previously

            for (let i = 0; i < response.courses.length; i++) {//loop through the courses

                //make it blank

                entryRequirement = "";

                // assign course level values

                if (response.courses[i].level === "Postgraduate") {

                    text2 = "Msc"

                }

                else {

                    text2 = "Bsc"

                }

                //check for entry requirements

                for (let x = 0; x < response.courses[i].entry\_requirements.length; x++) {

                    entryRequirement+='<p>- ' + response.courses[i].entry\_requirements[x] + '</p>';// assign each requirements inside <p> element

                }

                /\*get all details in json file assign those values to each rows

                the row has been desigined to include divs

                its include 3 divs

                one to hold the image

                second one to hold the course details and third one to hold the entry requirements\*/

                html += '<tr><td><div class="row">';

                html += '<div class="course\_icon"><img src="' + response.courses[i].image + '" alt="course\_icon" class="icon"></div>';

                html += '<div class="details">';

                html += '<h3>' + response.courses[i].name + '</h3>';

                html += '<p>' + response.courses[i].details + '</p>';

                html += '<ul class="categories">';

                html += '<li><span class="icon\_cat"><img src="assets/degree.png" alt="degree\_icon" class="small\_icon"><label>' + response.courses[i].level + '</label></span></li>';

                html += '<li><span class="icon\_cat"><img src="assets/trophy.png" alt="trophy\_icon" class="small\_icon"><label>' + text2 + '</label></span></li>';

                html += '<li><span class="icon\_cat"><label>' + 'Fees:- ' + '</label><label>' + response.courses[i].fees[feeType] + '</label></span></li>';//based on Feetype variable it will chnage

                html += '<li><span class="icon\_cat"><label>' + 'Duration:- ' + '</label><label>' + response.courses[i].duration + '</label></span></li>';

                html += '<li><span class="icon\_cat"><label>' + 'Location:- ' + '</label><label>' + response.courses[i].location.name + '</label></span></li>';

                html += '<li><span class="icon\_cat"><label>' + 'Number of modules:- ' + '</label><label>' + response.courses[i].modules.length + '</label></span></li>';

                html += '</ul>';

                html += '<div class="entryRequirements">';

                html += '<h4>Entry Reuirements</h4>';

                html += entryRequirement;

                html +='</div></td></tr>'

            }

            //assign the table htm body value to the id

            document.getElementById("courseDetailsBody").innerHTML = html;

        }

    });

}

//function to decide which radio button user has selected

$(document).ready(function ()  {

    $("#rd\_btn\_1,#rd\_btn\_2,#rd\_btn\_3").change(function (e) {

        if ($("#rd\_btn\_1").prop("checked")) {//if radio button 1 means user selected UK

            feeType = "UK"

            console.log("UK");

        };

        if ($("#rd\_btn\_2").prop("checked")) {//if radio button 1 means user selected EURO

            feeType = "EURO"

            console.log("EURO");

        };

        if ($("#rd\_btn\_3").prop("checked")) {//if radio button 1 means user selected US

            feeType = "US";

            console.log("US");

        };

        //after user selcted the currency call getDetails function to update table body

        getDetails(jsonVal);

    })

})

//filter function

$(document).ready(function () {

    var diplayrow = false

    $("#option1,#option2").change(function (e) {

        //check for post graduate records

        if ($("#option1").prop("checked") && $("#option2").prop("checked") != true) {

            //get how many rows has been there

            const rows = document.querySelectorAll('#course\_Tbl>tbody>tr')

            //loop through rows

            rows.forEach((row) => {

                // get the value from the each row inside details div under un orderd list first child label value

                const labelval = row.querySelector('td>div.row>div.details>ul.categories>li:first-child>span.icon\_cat>label');

                if (labelval.textContent === "Postgraduate") {

                    diplayrow = true;//if its Postgraduate assign displayrow value as true

                }

                else {

                    diplayrow = false;//if its not Postgraduate assign displayrow value as false

                };

                displayRow(diplayrow, row);//call displayRow function to do the display action

            })

        }

        //check for undergraduate records

        if ($("#option2").prop("checked") && $("#option1").prop("checked") != true) {

            const rows = document.querySelectorAll('#course\_Tbl>tbody>tr')

            //loop through rows

            rows.forEach((row) => {

                // get the value from the each row inside details div under un orderd list first child label value

                const labelval = row.querySelector('td>div.row>div.details>ul.categories>li:first-child>span.icon\_cat>label');

                if (labelval.textContent === "Undergraduate") {

                    diplayrow = true;//if its Undergraduate assign displayrow value as true

                }

                else {

                    diplayrow = false;//if its not Undergraduate assign displayrow value as false

                };

                displayRow(diplayrow, row);//call displayRow function to do the display action

            })

        }

        //if both are selected and both are un selected display all the rows

        if (($("#option1").prop("checked") && $("#option2").prop("checked")) || ($("#option1").prop("checked") != true && $("#option2").prop("checked") != true)) {

            const rows = document.querySelectorAll('#course\_Tbl>tbody>tr')

            //loop through rows and display all

            rows.forEach((row) => {

                diplayrow = true;//assign displayrow value as true to display all the rows

                displayRow(diplayrow, row);//call displayRow function to do the display action

            })

        }

    });

})

//display row function

function displayRow(diplayrow, row) {

    //display row or not

    if (diplayrow) {

        row.style.display = "table-row"//make the row style to display

        console.log("true");

    } else {

        row.style.display = "none"//make the row style to none

        console.log("false");

    }

}

# Course.css

\*{

    border: 0;

    margin: 0;

    box-sizing: border-box;

}

body{

    background: #f0faff;

}

/\*Navigation\*/

.primary\_nav\_list{

    position:fixed;

    left: 0;

    top: 0;

    width: 100%;

    padding: 15px 200px;

    background: #040404;

    box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);

    margin: auto;

    z-index: 999;

}

.primary\_nav\_list,

.primary\_nav\_list .nav\_links{

    align-items: center;

    display: flex;

}

.primary\_nav\_list{

    justify-content: space-between;

}

a{

    color: #f0faff;

    text-decoration: none;

}

.primary\_nav\_list .logo{

    font-weight: 500;

    font-size: 22px;

}

.primary\_nav\_list .nav\_links{

    column-gap: 20px;

    list-style: none;

}

.primary\_nav\_list.hide\_Nav .nav\_links a{

    opacity: 0;

    pointer-events: none;

}

.primary\_nav\_list .search-icons{

    color: #f0faff;

    font-size: 20px;

    cursor: pointer;

}

.primary\_nav\_list .menu\_item\_icon,

.primary\_nav\_list .menu\_close\_icon{

    display: none;

}

.primary\_nav\_list .search-bar{

    max-width: 555px;

    height: 45px;

    width: 100%;

    right: 250px;

    position: absolute;

    opacity: 0;

    pointer-events: none;

    transition: all 0.3s linear;

}

.primary\_nav\_list .enable-Search{

    opacity: 1;

    pointer-events: auto;

}

.search-bar .search-icons{

    position: absolute;

    left: 15px;

    top: 60%;

    color: black;

    transform: translateY(-15px);

}

.search-bar input{

    height: 100%;

    width: 100%;

    border: none;

    outline: none;

    border-radius: 6px;

    background-color: #f0faff;

    padding: 0 15px 0 45px;

}

/\*Course list image section\*/

#image\_Table\_container{

    width: 100%;

    height: 100vh;

}

#image\_container{

    background-image: linear-gradient(to bottom, rgba(19, 18, 18, 0.5), rgba(17, 17, 17, 0.5)), url("assets/background.png");

    transition: all 0.3s linear;

    width: 100%;

    height: 60vh;

    background-position: center;

    background-size: cover;

    margin-bottom: 0;

    display: flex;

    flex-direction: column;

    justify-content: center;

    align-items: center;

    text-align: center;

}

h2{

 font-size: 4.0rem;

 font-weight: 600;

 color: #f0faff;

 border-radius: 5px;

}

/\*Filter section\*/

#filter\_contanier h3{

    text-decoration: underline;

    font-size: 2.0rem;

}

#filter\_contanier{

    display: flex;

    flex-direction: column;

    justify-content: center;

    align-items: center;

    background-color: #fff;

    width: 90%;

    margin: 0 auto;

    min-height: 150px;

    border-radius: 10px;

    margin-top: 10px;

}

.check\_box\_Container{

    justify-content: center;

    padding: 5px;

    margin-top: 10px;

    margin: 5px;

    flex-direction: row;

    align-items: center;

}

.check\_box\_Container input,label{

    margin: 5px;

    cursor: pointer;

}

form {

    display: flex;

    flex-wrap: wrap;

    flex-direction: row;

}

.radio\_btn\_Container {

    top: 0;

    left: 0;

    right: 0;

    bottom: 0;

    width: 100%;

    display: flex;

    justify-content: center;

    align-items: center;

    padding: 20px;

}

/\*Table section\*/

#main-content{

    justify-content: center;

    align-items: center;

}

.table\_container{

    min-height: 40vh;

    width: 100%;

    align-items: center;

    display: flex;

    justify-content: center;

    flex-direction: column;

}

table,th,td{

    padding: 1rem;

    border-collapse: collapse;

    text-align: left;

}

th {

    white-space: nowrap;

  }

td{width: 18.00%;}

main.table{

    width: 100%;

    height: 90vh;

    background-color: #fff5;

    backdrop-filter: blur(7px);

    border-radius: 0.8rem;

    overflow: hidden;

    z-index: 2;

}

.table\_body{

    width: 80%;

    max-height: calc(90% - .8rem);

    background-color: #fffb;

    margin: .8rem auto;

    border-radius: 0.5rem;

    overflow: auto;

}

.table\_body::-webkit-scrollbar {

    visibility: hidden;

  }

.table\_body::-webkit-scrollbar-thumb{

    border-radius: .5rem;

    background-color: #0004;

    visibility: hidden;

}

.table\_body:hover::-webkit-scrollbar-thumb{

    visibility: visible;

}

thead th{

    position: sticky;

    top: 0;

    left: 0;

    background-color: #d5d1dede;

}

tbody tr:nth-child(even){

    background-color: #4369790b;

}

tbody tr:hover{

    background-color: #fff6;

}

select {

    background-color: transparent;

    border: none;

    padding: 0 1em 0 0;

    margin: 0;

    width: 100%;

    font-family: inherit;

    font-size: inherit;

    cursor: inherit;

    line-height: inherit;

    outline: none;

  }

.table\_body .table\_filter{

    width: 100%;

    min-width: 15ch;

    max-width: 20ch;

    border: 1px solid;

    border-radius: 0.25em;

    padding: 0.25em 0.5em;

    font-size: 0.8rem;

    cursor: pointer;

    line-height: 1.0;

    background-color: #fff;

    background-image: linear-gradient(to top, #f9f9f9, #fff 33%);

}

/\*table row elements design\*/

.row{

    display: flex;

    flex-direction: row;

    justify-content: flex-start;

}

.course\_icon{

    display: flex;

    margin-top: 30px;

}

.icon{

    max-width: 200px;

    max-height: 150px;

    margin: 5px;

    box-shadow:  rgba(164, 196, 176, 0.2) 0 -25px 18px -14px inset,rgba(186, 200, 192, 0.15) 0 1px 2px,rgba(47, 66, 54, 0.15) 0 2px 4px,rgba(30, 38, 33, 0.15) 0 4px 8px,rgba(41, 53, 46, 0.15) 0 8px 16px,rgba(47, 58, 52, 0.15) 0 16px 30px;

}

.details{

    display: flex;

    flex-direction: column;

    margin: 20px;

    padding: auto;

}

.details ul {

    list-style-type: none; /\* remove the bullet point \*/

    margin: 0;

    padding: 0;

    display: flex; /\* make the ul a flex container \*/

    flex-direction: row;

    align-items: center;

  }

  .details h3{margin: 10px;}

  .entryRequirements h4{margin: 10px;}

  .details p{

    margin: 10px;

    text-align:justify;

    font-size: 1.0rem;

    font-weight: 200;

    background-color: #fdffff;

    border-radius: 10px;

    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

    padding: 5px;

  }

  .entryRequirements p{

    margin: 10px;

    text-align:justify;

    font-size: 1.0rem;

    font-weight: 200;

  }

  .icon\_cat {

    display: flex;

    justify-content: center;

    align-items: center;

  }

  ul {

    list-style: none;

  }

  .details li {

    display: block; /\* display li elements side-by-side \*/

    margin-right: 10px; /\* add spacing between li elements \*/

    align-items: center;

    box-shadow:0 2px 4px rgba(0, 0, 0, 0.1);

    margin-left: 10px;

    background-color: #fdffff;

    border-radius: 5px;

  }

  .small\_icon{

    max-width: 50px;

    max-height: 50px;

    margin: 5px;

  }

@media screen and (max-width:1160px){

    .primary\_nav\_list{

        padding: 15px 100px;

    }

    .primary\_nav\_list .search-bar{

        right: 250px;

    }

}

@media screen and (max-width:950px){

    .primary\_nav\_list{

        padding: 15px 50px;

    }

    .primary\_nav\_list .search-bar{

        right: 100px;

        max-width: 400px;

    }

}

@media screen and (max-width:760px){

    .primary\_nav\_list .menu\_item\_icon,

    .primary\_nav\_list .menu\_close\_icon{

        display: block;

    }

    .primary\_nav\_list .nav\_links{

        position:fixed;

        flex-direction: column;

        top: 0;

        left: -100%;

        height: 100%;

        max-width: 280px;

        width: 100%;

        row-gap: 30px;

        padding-top: 100px;

        background-color: black;

        box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);

        transition: all 0.3s ease-in-out;

        z-index: 100;

    }

    .primary\_nav\_list.enableMenu .nav\_links{

        left: 0;

    }

    .primary\_nav\_list .menu\_item\_icon{

        color: #f0faff;

        font-size: 20px;

        cursor: pointer;

    }

    .primary\_nav\_list .menu\_close\_icon{

        color: #f0faff;

        position: absolute;

        top: 20px;

        right: 20px;

        font-size: 20px;

        cursor: pointer;

    }

    .primary\_nav\_list .search-bar{

        top:calc(100% + 10px);

        max-width: calc(100% - 20px);

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            "subject\_area": "ACCOUNTING AND FINANCE",

            "level": "Postgraduate",

            "duration": "1 Year",

            "Starting": {

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            "fees": {

                "UK": "£2355",

                "US": "$2926",

                "EURO": "€2634"

            },

            "details": "This programme will broaden your specialist knowledge previously gained at a professional level, turning leading qualifications like ACCA into a recognised masters degree. In particular the module, ‘Accounting & finance research project’ guides you to research into the key challenges accounting and finance professionals face in the industry. This module aims to equip accounting and finance professionals with the necessary skills to undertake independent project work within a business context. The Research Methods element provides you with an introduction to research, types of research methodology, formulating and planning a research project, data collection, analysis and presentation of research findings based upon an actual industry specific or corporate focused topic.",

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                    "module\_title": "Advanced Financial Reporting",

                    "credits": "20",

                    "semester": "1",

                    "description": "This module builds on your existing knowledge of financial reporting, examining advanced topics such as group accounts, financial instruments and foreign currency translation."

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                    "module\_code": "ACC7025",

                    "module\_title": "Advanced Management Accounting",

                    "credits": "20",

                    "semester": "1",

                    "description": "This module focuses on the use of accounting information for managerial decision-making, exploring advanced techniques such as activity-based costing, transfer pricing and performance measurement."

                },

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                    "module\_code": "ACC7026",

                    "module\_title": "Corporate Finance",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module provides an in-depth understanding of the principles and practices of corporate finance, covering topics such as capital budgeting, cost of capital, and capital structure decisions."

                },

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                    "module\_code": "ACC7027",

                    "module\_title": "Corporate Governance and Ethics",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module examines the role of corporate governance and ethics in ensuring the integrity and accountability of organisations, exploring key issues such as board structure, executive compensation, and social responsibility."

                },

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                    "module\_code": "ACC7028",

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                    "credits": "20",

                    "semester": "2",

                    "description": "This module provides you with the skills and knowledge needed to undertake research in accounting and finance, covering topics such as research design, data collection and analysis, and academic writing."

                }

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            "entry\_requirements": [

                "A minimum of a second class honours degree or equivalent.",

                "Applicants who do not have English as their first language must have an IELTS score of 6.5 or equivalent."

            ]

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            "subject\_area": "ADVERTISING AND MARKETING",

            "level": "Undergraduate",

            "duration": "3 Year",

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                "US": "$2926",

                "EURO": "€2634"

            },

            "details": "The advertising industry has been transformed by the digital and social media revolution. From start-ups to big businesses, from social enterprises to charities and the public sector, this discipline offers careers in a wide range of industry sectors.Experiences are at the heart of our advertising degree. As well as regular guest speakers and industry visits, we work on real projects with real marketing budgets. We operate as a marketing department from the first year. Typically, you will be set a brief and then develop and pitch your concept. You will work within brand guidelines, often appointing suppliers, like photographers or design agencies, to deliver your project.",

            "modules": [

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                    "credits": "20",

                    "semester": "1",

                    "description": "This module will introduce you to the fundamental principles of advertising, examining the key concepts and theories that underpin the industry."

                },

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                    "module\_code": "DMK1011",

                    "module\_title": "Introduction to Digital Marketing",

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                    "semester": "1",

                    "description": "This module will introduce you to the core principles of digital marketing, including website design, search engine optimisation, social media and mobile marketing."

                },

                {

                    "module\_code": "ADV2021",

                    "module\_title": "Advertising Creativity and Innovation",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module will develop your understanding of advertising creativity, exploring the creative process and the role of innovation in advertising."

                },

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                    "module\_title": "Social Media Marketing",

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                    "semester": "2",

                    "description": "This module will explore the role of social media in marketing, examining how social media platforms can be used to engage with consumers and promote products and services."

                },

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                    "module\_code": "ADV3031",

                    "module\_title": "Advertising and Society",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module will examine the social, cultural and ethical issues surrounding advertising, exploring the impact of advertising on society and the role of regulation in the industry."

                },

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                    "credits": "20",

                    "semester": "2",

                    "description": "This module will examine the role of mobile marketing in the digital age, exploring the use of mobile devices to reach and engage with consumers."

                }

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            "entry\_requirements": [

                "UCAS tariff points: 104-120",

                "A-Level: BCC-BBC",

                "BTEC: DMM-DMP",

                "IB Diploma: 28-30 points",

                "Applicants are expected to hold GCSE English and Maths at Grade 4 or above."

            ]

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            "name": "Architectural Technology BSc (Hons)",

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            "subject\_area": "ART AND DESIGN",

            "level": "Undergraduate",

            "duration": "3 Year",

            "Starting": {

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                "EURO": "€10349"

            },

            "details": "The Architectural Technology degree at UON brings together project management, design and technical skills. During our Architectural Technology course, you’ll become prepared to deliver projects all the way from concept stage. You’ll learn and increase your knowledge of the industry and legislation, experience realistic projects and develop your creative skills. This Architectural Technology course is accredited by the Chartered Institute of Architectural Technologists (CIAT), meaning you will be eligible for CIAT student membership and will be exempt from some modules that are required in the Professional and Occupational Performance record. Many of our graduates gain professional recognition from CIAT after they graduate, by pursuing the various stages of professional recognition.",

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                    "credits": "20",

                    "semester": "1",

                    "description": "This module introduces the fundamental principles of architectural technology and design, exploring topics such as site analysis, building materials, and construction techniques."

                },

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                    "semester": "1",

                    "description": "This module provides an understanding of the structural and material components of buildings, including foundations, walls, and roofs."

                },

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                    "module\_code": "ARC4003",

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                    "semester": "2",

                    "description": "This module explores the design of residential buildings, examining issues such as space planning, environmental sustainability, and regulatory compliance."

                },

                {

                    "module\_code": "ARC4004",

                    "module\_title": "Building Technology 2: Services and Environmental Design",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module focuses on the building services and environmental design aspects of architectural technology, covering topics such as heating, ventilation, and lighting."

                },

                {

                    "module\_code": "ARC4005",

                    "module\_title": "Design Studio 3: Commercial Design",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module explores the design of commercial buildings, such as offices and retail spaces, addressing issues such as accessibility, security, and branding."

                },

                {

                    "module\_code": "ARC4006",

                    "module\_title": "Building Technology 3: Regulations and Performance",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module provides an understanding of the regulatory requirements and performance standards that govern the design and construction of buildings, such as building codes and energy efficiency ratings."

                }

            ],

            "entry\_requirements": [

                "A minimum of 112 UCAS tariff points from a maximum of four subjects, which should include a relevant subject such as art, design or technology.",

                "Applicants who do not have English as their first language must have an IELTS score of 6.0 or equivalent."

            ]

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            "image": "assets/molecularScience.png",

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            "level": "Postgraduate",

            "duration": "1 Year",

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            "details": "With specific pathways in Genetics and Genomics or Molecular Medicine.The Molecular Bioscience MSc has two distinct and separate pathways of study allowing you to focus on Molecular Medicine or Genetics and Genomics. You can elect to take study topics in your chosen area of interest and it allows you to design your molecular bioscience Master’s degree to meet your career aspirations.To apply for the Molecular Medicine route, please click the Apply Now button. To apply for the Genetics and Genomics pathway, please click below.",

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                    "description": "This module explores advanced topics in molecular biology, including gene expression regulation, epigenetics, and molecular mechanisms of disease."

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                    "semester": "2",

                    "description": "This module introduces bioinformatics and systems biology approaches to molecular bioscience, covering topics such as sequence analysis, network analysis, and computational modelling."

                },

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                    "module\_title": "Research Methods in Molecular Bioscience",

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                    "semester": "2",

                    "description": "This module provides training in research methods and techniques used in molecular bioscience, including experimental design, data analysis, and laboratory safety."

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                    "module\_title": "Molecular Techniques and Applications",

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                    "semester": "3",

                    "description": "This module covers the practical skills required for molecular bioscience research, including DNA extraction and analysis, protein expression and purification, and cell culture techniques."

                },

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                    "credits": "60",

                    "semester": "3",

                    "description": "This module involves the completion of a research project in a molecular bioscience topic of the student's choice, under the supervision of a faculty member."

                }

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            "entry\_requirements": [

                "A minimum of a 2:2 honours degree in a relevant subject such as biology, biochemistry or biomedical sciences.",

                "Applicants who do not have English as their first language must have an IELTS score of 6.5 or equivalent."

            ]

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            "name": "BSc (Hons) in Artificial Intelligence and Data Science",

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                "US": "$9950",

                "EURO": "€8961"

            },

            "details": "This course is designed to provide you with the knowledge and skills to work with data and build intelligent systems using modern Artificial Intelligence (AI) techniques.\n\nYou will learn how to develop machine learning models to analyse and make predictions from data, as well as how to build intelligent agents that can interact with the world and make decisions. You will also gain a solid understanding of the mathematical and computational foundations of AI, as well as the ethical and societal issues related to the development and deployment of intelligent systems.\n\nDuring the course, you will work on a range of practical projects and have the opportunity to collaborate with businesses and organisations on real-world AI and data science problems. You will also have access to state-of-the-art facilities, including dedicated AI and data science labs equipped with cutting-edge hardware and software.",

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                    "module\_title": "Introduction to Artificial Intelligence and Data Science",

                    "credits": "20",

                    "semester": "1",

                    "description": "This module introduces the fundamental principles and concepts of artificial intelligence and data science, including machine learning, natural language processing, computer vision, and big data analytics."

                },

                {

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                    "module\_title": "Data Structures and Algorithms",

                    "credits": "20",

                    "semester": "1",

                    "description": "This module covers the design and analysis of data structures and algorithms used in data science and artificial intelligence. Topics include data structures such as arrays, linked lists, and trees, as well as algorithms such as sorting and searching. Students will also gain practical experience with algorithm design and analysis through programming assignments and projects."

                },

                {

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                    "module\_title": "Machine Learning",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module covers the fundamental principles and algorithms of machine learning, including supervised and unsupervised learning, decision trees, neural networks, and deep learning. Students will also gain practical experience with machine learning techniques through programming assignments and projects."

                },

                {

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                    "module\_title": "Natural Language Processing",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module covers the principles and techniques of natural language processing, including text processing, sentiment analysis, machine translation, and speech recognition. Students will also gain practical experience with natural language processing techniques through programming assignments and projects."

                },

                {

                    "module\_code": "CV4005",

                    "module\_title": "Computer Vision",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module covers the principles and techniques of computer vision, including image processing, feature extraction, object recognition, and deep learning for computer vision. Students will also gain practical experience with computer vision techniques through programming assignments and projects."

                },

                {

                    "module\_code": "BDCC4006",

                    "module\_title": "Big Data and Cloud Computing",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module covers the principles and techniques of big data analytics and cloud computing, including distributed computing, data storage and retrieval, and cloud platforms. Students will also gain practical experience with big data and cloud computing technologies through programming assignments and projects."

                },

                {

                    "module\_code": "IS4007",

                    "module\_title": "Intelligent Systems",

                    "credits": "20",

                    "semester": "4",

                    "description": "This module covers the design and development of intelligent systems, including rule-based systems, expert systems, fuzzy logic, and genetic algorithms. Students will also gain practical experience with intelligent system design and development through programming assignments and projects."

                },

                {

                    "module\_code": "RP4008",

                    "module\_title": "Research Project",

                    "credits": "40",

                    "semester": "4",

                    "description": "This module provides students with the opportunity to undertake an independent research project in a topic related to artificial intelligence and data science"

                }

            ],

            "entry\_requirements": [

                "a\_levels 112 UCAS points from at least two A-levels or equivalent qualifications, including a grade C or above in Mathematics or Computing",

                "gcse GCSE English Language and Mathematics at grade C/4 or above (or equivalent)",

                "mature\_applicants Mature applicants without formal qualifications will be considered on a case-by-case basis"

            ]

        },

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            "image": "assets/criminology.png",

            "subject\_area": "CRIMINOLOGY, LAW, AND POLICING",

            "level": "Undergraduate",

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                "september": true

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                "US": "$9250",

                "EURO": "€8961"

            },

            "details": "Our Criminal and Corporate Investigation course has been designed and developed with input from leading investigation, intelligence, security and financial specialists. Throughout your criminal investigation degree studies, you will develop the necessary industry standard skills and experience to carry out professional investigations to the highest level within commercial, public or criminal justice settings.",

            "modules": [

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                    "module\_code": "CC7001",

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                    "credits": "20",

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                    "description": "This module provides an introduction to the principles of criminal law, including the elements of a crime, criminal liability, and defences. Students will also learn about the criminal justice system and the role of criminal law in society."

                },

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                    "module\_code": "CC7002",

                    "module\_title": "Policing and Investigation",

                    "credits": "20",

                    "semester": "1",

                    "description": "This module covers the principles and practices of policing and investigation, including the role of the police in society, investigative techniques, and the use of technology in policing and investigation."

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                    "module\_code": "CC7003",

                    "module\_title": "Corporate Law and Governance",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module provides an introduction to the principles of corporate law and governance, including the legal framework for companies, directors' duties, and corporate social responsibility. Students will also learn about the ethical and social implications of corporate behaviour."

                },

                {

                    "module\_code": "CC7004",

                    "module\_title": "Financial Investigation and Forensic Accounting",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module covers the principles and practices of financial investigation and forensic accounting, including fraud detection and prevention, money laundering, and the use of financial analysis in investigations. Students will also learn about the legal and ethical considerations of financial investigation and forensic accounting."

                },

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                    "module\_code": "CC7005",

                    "module\_title": "Investigative Interviewing and Interpersonal Skills",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module focuses on the development of investigative interviewing and interpersonal skills, including communication, rapport building, and active listening. Students will also learn about the ethical and legal considerations of investigative interviewing."

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                {

                    "module\_code": "CC7006",

                    "module\_title": "Digital and Cybercrime Investigation",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module covers the principles and practices of digital and cybercrime investigation, including cybercrime prevention, digital forensics, and the use of technology in investigations. Students will also learn about the legal and ethical considerations of digital and cybercrime investigation."

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                "112 UCAS tariff points",

                "GCSE English Language and Mathematics at grade C/4 or above",

                "International students: IELTS 6.0 overall with no element lower than 5.5 or equivalent"

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            "subject\_area": "BUSINESS MANAGEMENT",

            "level": "Undergraduate",

            "duration": "3 Years",

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                "US": "$11500",

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            "details": "The Business Management BSc program equips students with a comprehensive understanding of key business principles and practices. Through a combination of theoretical knowledge and practical application, students develop the necessary skills to excel in various business environments. The program covers a wide range of subjects, including marketing, finance, human resources, operations management, and strategic management. Graduates of this program are well-prepared for careers in business administration, entrepreneurship, and management.",

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                {

                    "module\_code": "BUS101",

                    "module\_title": "Introduction to Business",

                    "credits": "20",

                    "semester": "1",

                    "description": "This module provides an overview of the fundamentals of business, including key concepts, functions, and environments. Students develop an understanding of the various aspects of business operations and gain insights into the challenges and opportunities in the business world."

                },

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                    "module\_code": "BUS201",

                    "module\_title": "Marketing Management",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module explores the principles and techniques of marketing management, including market analysis, consumer behavior, branding, and promotional strategies. Students learn how to develop effective marketing strategies and understand the importance of marketing in driving business success."

                },

                {

                    "module\_code": "BUS301",

                    "module\_title": "Strategic Management",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module focuses on the strategic aspects of business management. Students learn how to analyze business environments, formulate strategic plans, and make informed decisions to achieve organizational goals. The module covers topics such as competitive analysis, strategic positioning, and strategic implementation."

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                    "semester": "3",

                    "description": "This module provides an understanding of financial management principles and practices. Students learn how to analyze financial statements, make financial decisions, and manage financial resources effectively. The module covers topics such as financial planning, capital budgeting, and risk management."

                },

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                    "module\_code": "BUS501",

                    "module\_title": "Leadership and Organizational Behavior",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module explores the theories and concepts of leadership and organizational behavior. Students develop an understanding of effective leadership styles, motivation techniques, and team dynamics. The module also addresses organizational culture, change management, and ethical considerations in leadership."

                }

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                "A minimum of three A-levels or equivalent qualifications.",

                "Applicants who do not have English as their first language must have an IELTS score of 6.0 or equivalent."

            ]

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        {

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            "level": "Postgraduate",

            "duration": "4 Years",

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                "US": "$15,500",

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            "details": "The Computer Science MEng program offers advanced knowledge and practical skills in computer science. Students delve into topics such as programming, algorithms, data structures, artificial intelligence, and computer networks. The program emphasizes both theoretical foundations and hands-on experience, preparing graduates for careers in software development, data analysis, cybersecurity, and research. Through individual and group projects, students gain practical problem-solving abilities and the ability to adapt to the rapidly evolving field of computer science.",

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                    "module\_code": "CSC101",

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                    "credits": "20",

                    "semester": "1",

                    "description": "This module introduces students to the fundamentals of programming. Students learn a programming language and develop problem-solving skills by writing code to solve various computational problems. The module covers basic programming constructs, data types, and control structures."

                },

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                    "module\_code": "CSC201",

                    "module\_title": "Data Structures and Algorithms",

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                    "semester": "2",

                    "description": "This module focuses on the design and implementation of data structures and algorithms. Students learn how to efficiently store and manipulate data, analyze algorithm complexity, and solve real-world problems using appropriate data structures and algorithms."

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                    "module\_code": "CSC301",

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                    "credits": "20",

                    "semester": "2",

                    "description": "This module explores the principles and applications of artificial intelligence. Students learn about various AI techniques, including machine learning, natural language processing, and computer vision. The module also addresses ethical considerations and societal impacts of AI."

                },

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                    "module\_code": "CSC401",

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                    "semester": "3",

                    "description": "This module focuses on the principles and practices of cybersecurity. Students learn about common cyber threats, vulnerabilities, and countermeasures. The module covers topics such as encryption, network security, secure coding practices, and incident response."

                },

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                    "credits": "20",

                    "semester": "3",

                    "description": "This module introduces students to the field of big data analytics. Students learn how to process, analyze, and extract meaningful insights from large datasets. The module covers techniques such as data mining, machine learning, and visualization for effective data analysis."

                }

            ],

            "entry\_requirements": [

                "A minimum of a second class honours degree in Computer Science or a related field.",

                "Applicants who do not have English as their first language must have an IELTS score of 6.5 or equivalent."

            ]

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            "level": "Undergraduate",

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                "US": "$11500",

                "EURO": "€10350"

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            "details": "The Psychology BSc program offers a comprehensive understanding of human behavior and the mind. Students explore various subfields of psychology, including cognitive psychology, social psychology, developmental psychology, and abnormal psychology. Through a combination of theoretical knowledge and practical research experience, students develop critical thinking, analytical, and interpersonal skills. Graduates of this program are well-equipped for careers in counseling, research, human resources, and other fields that involve understanding and working with people.",

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                    "semester": "1",

                    "description": "This module provides an overview of the key concepts, theories, and research methods in psychology. Students explore the biological, cognitive, and social factors that influence human behavior and learn about various psychological perspectives."

                },

                {

                    "module\_code": "PSY201",

                    "module\_title": "Cognitive Psychology",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module focuses on the study of mental processes, such as perception, attention, memory, and problem-solving. Students learn about cognitive theories and experimental methods used in cognitive psychology research."

                },

                {

                    "module\_code": "PSY301",

                    "module\_title": "Social Psychology",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module explores how individuals' thoughts, feelings, and behaviors are influenced by social interactions and group dynamics. Students examine topics such as attitudes, conformity, interpersonal relationships, and prejudice."

                },

                {

                    "module\_code": "PSY401",

                    "module\_title": "Developmental Psychology",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module focuses on the study of human development across the lifespan. Students explore physical, cognitive, and socioemotional development from infancy to late adulthood. The module covers topics such as language acquisition, moral development, and aging."

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                    "module\_code": "PSY501",

                    "module\_title": "Abnormal Psychology",

                    "credits": "20",

                    "semester": "3",

                    "description": "This module examines abnormal behavior and psychological disorders. Students learn about the classification, causes, and treatment of various psychological disorders, including mood disorders, anxiety disorders, and personality disorders."

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            "entry\_requirements": [

                "A minimum of three A-levels or equivalent qualifications.",

                "Applicants who do not have English as their first language must have an IELTS score of 6.0 or equivalent."

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            "details": "The Environmental Science MSc program provides a multidisciplinary approach to studying the environment and addressing environmental challenges. Students explore topics such as environmental sustainability, ecological systems, climate change, pollution control, and environmental policy. Through fieldwork, laboratory work, and research projects, students develop practical skills in environmental assessment, data analysis, and environmental management. Graduates of this program are prepared for careers in environmental consulting, resource management, government agencies, and non-profit organizations.",

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                    "module\_code": "ENV702",

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                    "credits": "20",

                    "semester": "1",

                    "description": "This module focuses on the study of ecological systems and their interactions. Students learn about ecosystem dynamics, biodiversity, ecological modeling, and the impacts of human activities on ecosystems."

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                    "module\_code": "ENV703",

                    "module\_title": "Climate Change and Mitigation",

                    "credits": "20",

                    "semester": "2",

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                    "module\_code": "ENV704",

                    "module\_title": "Environmental Pollution Control",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module addresses the sources, impacts, and control of environmental pollution. Students learn about air and water pollution, waste management, environmental monitoring, and pollution prevention techniques."

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                    "module\_code": "ENV705",

                    "module\_title": "Environmental Policy and Management",

                    "credits": "20",

                    "semester": "2",

                    "description": "This module examines the development and implementation of environmental policies and strategies. Students explore environmental legislation, stakeholder engagement, sustainable development goals, and the role of international organizations in environmental governance."

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            "entry\_requirements": [

                "A minimum of a second class honours degree or equivalent in a related field (e.g., environmental science, geography, biology).",

                "Applicants who do not have English as their first language must have an IELTS score of 6.5 or equivalent."

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            "International": "£13,750"

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            "details": "The Animation BA (Hons) program provides students with the knowledge and skills to excel in the field of animation. Through a combination of practical projects and theoretical studies, students learn various animation techniques, including 2D and 3D animation, stop motion, and digital effects. They develop a strong foundation in storytelling, character design, and animation principles. The course also covers industry-standard software and tools used in animation production. Students have access to state-of-the-art facilities and collaborate on projects to build their portfolio. Graduates can pursue careers in animation studios, film production companies, advertising agencies, and game development.",

            "modules": [

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            "credits": "20",

            "semester": "1",

            "description": "This module provides an introduction to the fundamental principles and techniques of animation. Students learn about the history of animation, animation production processes, and basic animation software. They create short animated projects to develop their skills."

            },

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            "module\_title": "Character Design and Development",

            "credits": "20",

            "semester": "2",

            "description": "This module focuses on the creation and development of animated characters. Students learn character design principles, anatomy, expressions, and personality development. They explore different styles and techniques to bring characters to life."

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            "module\_title": "Advanced Animation Techniques",

            "credits": "20",

            "semester": "2",

            "description": "This module explores advanced animation techniques and special effects. Students learn 3D animation, motion capture, visual effects, and compositing. They work on complex animation projects to enhance their technical skills."

            },

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            "module\_code": "ANM401",

            "module\_title": "Storyboarding and Narrative",

            "credits": "20",

            "semester": "3",

            "description": "This module focuses on the art of storytelling in animation. Students learn storyboarding techniques, narrative structure, pacing, and shot composition. They develop their storytelling abilities and create compelling animated narratives."

            },

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            "module\_code": "ANM501",

            "module\_title": "Professional Practice in Animation",

            "credits": "20",

            "semester": "3",

            "description": "This module prepares students for a career in the animation industry. They develop professional skills, learn about the business aspects of animation, and create a portfolio of their work. Students also have the opportunity to undertake industry placements or collaborative projects."

            }

            ],

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            "A minimum of three A-levels or equivalent qualifications.",

            "Applicants may be required to submit a portfolio of their artwork demonstrating their creative skills and interest in animation."

            ]

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# CourseSchema.json

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                        "EURO": {

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                    }

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                },

                "modules": {

                    "type": "array",

                    "items": {

                        "module\_code": {

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                            "type": "string"

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                            "type": "string"

                        },

                        "description": {

                            "type": "string"

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                    }

                },

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                    "type": "string"

                }

            }

        }

    }

}