



The University Of The Future

COURSE DESCRIPTION

This course aims at connecting with oneself and others to create a peaceful world. It will help to discover oneself, one's strengths. It will instill the good qualities like dealing with emotions, importance of sleep, situational decision making, time-management, power of silence, science of meditation, developing focus, positive thinking, etc. Eventually, it will lead to a life with healthy mind and awakened soul.

Registrar
NIIT UNIVERSITY

Discovering Self AOC 1101

Contact Us



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1800 103 5050



Email:
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Address:
NIIT University,Neemrana,
Alwar (Rajasthan)

Session
2020 - 21

Duration
60 Hours



COURSE HANDOUT (ABRIDGED)

Session: 2021-2022

Sub Session: Semester I (Jul-Dec)

Course Name: Discovering Self (AOC 1101)

L/T/P/C: 0/0/4/1

Course Description

This course aims at connecting with oneself and others to create a peaceful world. It will help to discover oneself, one's strengths. It will instill the good qualities like dealing with emotions, importance of sleep, situational decision making, time-management, power of silence, science of meditation, developing focus, positive thinking, etc. Eventually, it will lead to a life with healthy mind and awakened soul.

Course Outcomes

| S.No. | Description |
|-------|--|
| CO1 | Demonstrate art of observation |
| CO2 | Comprehend one's and other' minds |
| CO3 | Direct mind to positive though process |
| CO4 | Refining personal and professional identity by inculcation good habits |
| CO5 | Relax and rejuvenate one's mind and soul |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| CO4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

List of Tentative Practical

Evaluation Components Mode of Exam Date & Day Marks Percentage
 Evaluation 1 (participation in Sessions and Activities) Practical/ Viva Refer session Plan 30 30
 Evaluation 2 (Presentation and Learning) Practical/ Viva To be announced 30 30
 Comprehensive Evaluations Practical/ Viva To be announced 40 40

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International Finance & Banking
(BNK 632)

Phone - 18001035050

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Address - NH 8, Neemarana, Rajasthan, 301705

This course introduces the student to the environment of international finance and banking in the Indian context. The course covers the concepts of foreign exchange and exchange rates, foreign currency and Eurocurrency markets, foreign exchange risk management through hedging instruments like forwards, futures and options, foreign currency bonds and currency swaps, international parity conditions, currency forecasting, international financing, international investment management, political and country risk analysis, and financial innovations

Session
2017-18

Course Duration
30 Hours





COURSE HANDOUT (ABRIDGED)

Session: 2017-2018

Sub Session: Semester I (Jul-Dec)

Course Name: International Finance & Banking (BNK 632)

L/T/P/C: 2/0/0/2

Course Description

Course Description:

This course introduces the student to the environment of international finance and banking in the Indian context. The course covers the concepts of foreign exchange and exchange rates, foreign currency and Eurocurrency markets, foreign exchange risk management through hedging instruments like forwards, futures and options, foreign currency bonds and currency swaps, international parity conditions, currency forecasting, international financing, international investment management, political and country risk analysis, and financial innovations. The course also covers international financial institutions and international banking including foreign exchange related activities of a foreign branch and correspondent banking arrangements. The course will also discuss public policy issues such as international debt crises and regulatory issues. In the Indian context, the course will discuss evolution of exchange control in India, FEMA, import-export overview, FEDAI rules relating to Foreign exchange transactions, India's Foreign Exchange Scenario, Convertibility, international money transfers and modes of remittance, procedure for various foreign exchange related transactions, rules for foreign exchange contributions, and rules relating to release of foreign exchange to Indian residents.

Course Outcomes

| S.No. | Description |
|-------|--|
| CO1 | Understand the Euro-currency, how international financial markets work, what exchange rates are and why currency values fluctuate? |
| CO2 | Understand various international finance and banking products, their features, benefits, and related operations. Various types of risk that arise in international finance and banking, and how to manage the same |
| CO3 | Understand international trade and offshore investment decisions and the related procedures? Know about money laundering activity in international banking and procedure to overcome it. |
| CO4 | Understand the Regulatory and supervisory framework (rules, regulations and guidelines) related to foreign exchange transactions. |
| CO5 | Understand the nature, types and characteristics of various Financial Derivative instruments and the markets they are traded in. |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 3 |
| CO2 | 2 | 3 | 2 | 3 | 3 | 1 | 2 | 2 | 1 | 3 | 2 | 2 |
| CO3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 3 |
| CO4 | 2 | 3 | 1 | 3 | 3 | 2 | 1 | 1 | 3 | 3 | 3 | 2 |
| CO5 | 2 | 2 | 2 | 3 | 2 | 3 | 1 | 3 | 3 | 3 | 2 | 3 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

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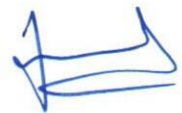
SESSION 2021 -22

INTRODUCTION TO BANKING & FINANCIAL SERVICES INDUSTRY (FIN 302)

Introduction to Banking System and Financial Services Industry which consists of financial markets, financial intermediation and financial instruments or financial products. Working of commercial banks, co-operative banks, regional rural banks (RRBs), all-India financial institutions (AIFIs), non-banking financial companies (NBFCs) and microfinance institutions

**COURSE DURATION
30 HOURS**

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COURSE HANDOUT (ABRIDGED)

Session: 2021-2022

Sub Session: Semester II (Jan-Jun)

Course Name: Introduction to Banking & Financial Services Industry (FIN 302)

L/T/P/C: 3/0/0/3

Course Description

Unit 1. Introduction to Banking System and Financial Services Industry which consists of financial markets, financial intermediation and financial instruments or financial products.

Unit 2. Working of commercial banks, co-operative banks, regional rural banks (RRBs), all-India financial institutions (AIFIs), non-banking financial companies (NBFCs) and microfinance institutions.

Unit 3. Introduction to the banking sector which forms the bedrock of the Indian financial system, and the regulatory role and functions of the Reserve Bank of India (under the provisions of the Banking Regulation Act, 1949 and the Reserve Bank of India Act, 1934).

Unit 4. The financial markets in India to be covered in brief will include the money market, the Government securities market, the foreign exchange market, the capital Market and the credit market, derivative markets the major players as well as the regulatory bodies.

Unit 5: Financial Services such as Venture Capital Financing, Factoring and Forfaiting, Merchant Banking, Mutual Funds, Small Savings, Provident Fund & Pension Fund, Mutual Funds, Insurance and other financial Services.

Course Outcomes

| S.No. | Description |
|-------|--|
| CO1 | Understand the importance and role of Banking and Financial Service Industry. |
| CO2 | Understanding models and framework of Banking and Financial Service Industry. |
| CO3 | Identify the various constituents of the Banking System and understand their nature and characteristics. |
| CO4 | Understand the nature, types and characteristics of various Financial Services, instruments, and the markets they are traded in. |
| CO5 | Understand the functioning of regulatory bodies and their overall importance in the financial system. |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 3 |
| CO2 | 2 | 3 | 2 | 3 | 3 | 1 | 2 | 2 | 1 | 3 | 2 | 2 |
| CO3 | 3 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 3 |
| CO4 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 1 | 3 | 3 | 3 | 2 |
| CO5 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

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Management of Risk

MFIN 005

The course aims to develop understanding of Management of Risk in businesses which involves the identification, assessment, and prioritization of risks followed by coordinated and economical application of resources to minimize, monitor, and control the probability and/or impact of unfortunate events. The course will help students understand different types of risks (Forex risk, interest rate risk, equity risk, credit risk, operational risk etc). The course will cover-- Identification of different forms of risk, Measuring volatility in market prices, Measure Value-at-Risk and its implications, Statistically measure risk & analyze applications, Application of VaR in managing risks & margining, Risk Management issues in investments, Lessons from some financial disasters



Session
2017-18

Duration
30 Hours

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COURSE HANDOUT (ABRIDGED)

Session: 2017-2018

Sub Session: Semester II (Jan-Jun)

Course Name: Management of Risk (MFIN 005)

LT/P/C: 2/0/0/2

Course Description

The course aims to develop understanding of Management of Risk in businesses which involves the identification, assessment, and prioritization of risks followed by coordinated and economical application of resources to minimize, monitor, and control the probability and/or impact of unfortunate events. The course will help students understand different types of risks (Forex risk, interest rate risk, equity risk, credit risk, operational risk etc). The course will cover-- Identification of different forms of risk, Measuring volatility in market prices, Measure Value-at-Risk and its implications, Statistically measure risk & analyze applications, Application of VaR in managing risks & margining, Risk Management issues in investments, Lessons from some financial disasters. The course will familiarize the students with the process of risk management that consists of several steps which are as follows: identification of risk in a selected domain of interest; Planning the remainder of the process; Mapping out the social scope of risk management, the identity and objectives of stakeholders & the basis upon which risks will be evaluated, constraints; Defining a framework for the activity and an agenda for identification; Developing an analysis of risks involved in the process; Mitigation or Solution of risks using available technological, human and organizational resources.

Course Outcomes

| S.No. | Description |
|-------|--|
| CO1 | Understand the concept of risk, types of risk and its measurement |
| CO2 | Understand the risk management framework and the concept of strategic risk management. |
| CO3 | To understand the measurement of Return and Risk. Beta factor, CAPM, Asset pricing model and risk return analysis. |
| CO4 | Understand portfolio management and evaluate portfolio performance with the help of Sharpe, Treynor and Jensens index. |
| CO5 | Understand various types of derivative instruments |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 3 |
| CO2 | 2 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 3 | 2 | 2 |
| CO3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 3 |
| CO4 | 2 | 3 | 1 | 1 | 3 | 2 | 1 | 1 | 2 | 3 | 3 | 2 |
| CO5 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 3 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable



FINANCIAL INSTRUMENTS AND MARKETS MFIN 006

The objective of the course is to provide a comprehensive working knowledge on a broad range of financial markets and their inherent instruments, including Equities, Bonds, Derivatives & alternative investments. The course explores the basic features of each instrument introduced, explains their risk characteristics, and examines the markets in which they trade. Although the course covers a wide range of instruments, stronger emphasis is placed on fixed income based instruments with all their intricacies including pricing, term structure of interest rate, convertibles, bonds with embedded options, credit risk analysis, and fixed income portfolio management. In the process students will get a feel of various risk management strategies using Option, Futures and other interest rate derivatives



INDUSTRY-LINKED | TECHNOLOGY-BASED | RESEARCH-DRIVEN | SEAMLESS

Duration 30 Hours

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Registrar
NIIT UNIVERSITY

A blue ink handwritten signature or initials, possibly 'H', located at the bottom right of the page.



COURSE HANDOUT (ABRIDGED)

Session: 2017-2018

Sub Session: Semester II (Jan-Jun)

Course Name: Financial Instruments and Markets (MFIN 006)

L/T/P/C: 2/0/0/2

Course Description

The objective of the course is to provide a comprehensive working knowledge on a broad range of financial markets and their inherent instruments, including Equities, Bonds (asset-backed and mortgage-backed securities), Derivatives (equity and fixed income), & alternative investments. The course explores the basic features of each instrument introduced, explains their risk characteristics, and examines the markets in which they trade. Although the course covers a wide range of instruments, stronger emphasis is placed on fixed income based instruments with all their intricacies including pricing, term structure of interest rate, convertibles, bonds with embedded options, credit risk analysis, and fixed income portfolio management. In the process students will get a feel of various risk management strategies using Option, Futures and other interest rate derivatives. The course will construct several Excel based techniques to analyze bond valuation, term structure, portfolio statistics and risk mapping

Course Outcomes

| S.No. | Description |
|-------|---|
| CO1 | To understand various concepts of the Financial Markets. |
| CO2 | • To demonstrate the ability to organize, analyze and draw appropriate conclusions from financial information using numerical and financial data. |
| CO3 | • To explain the basic functions, structure, type and nature of the financial markets and related instruments. |
| CO4 | • To explain the features, operations and trading mechanism of Financial Markets |
| CO5 | • To examine the contribution of Financial market in economic development of a country. |
| CO6 | • To identify regulatory issues and challenges before financial markets. |

Course outcome mapping with Programme Outcomes:

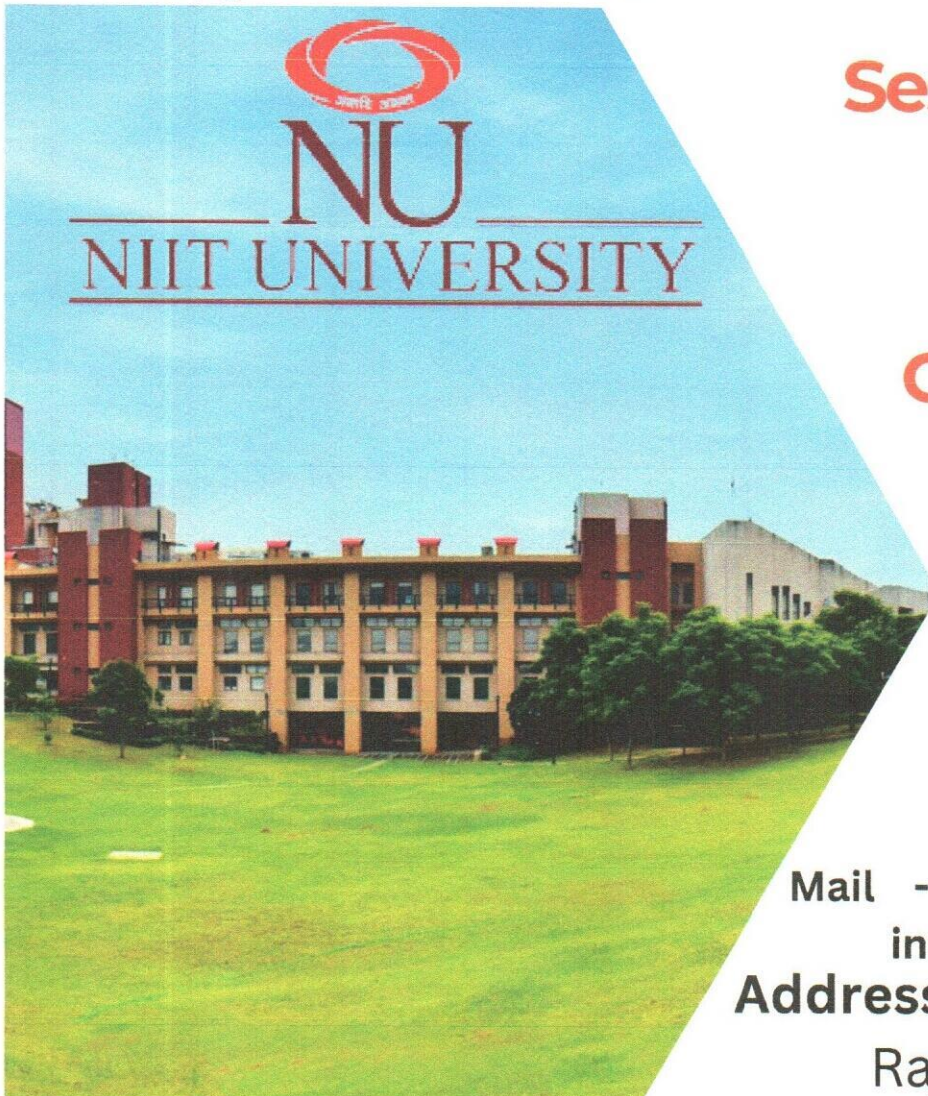
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| CO2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| CO3 | 2 | 2 | - | 2 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 1 |
| CO4 | 1 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| CO5 | 3 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 |
| CO6 | 2 | 2 | - | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

A handwritten signature in blue ink, consisting of stylized, overlapping loops and lines.

PROFESSIONAL LIFE SKILLS I (TA 302)

Professional Life Skills I and II are courses intended to prepare students for placement. It is based on the feedback received by the industry in the previous years recruitment cycle; with respect to the expectations from the various organizations during the interview process, and the gaps perceived in the students. It also aims to enable students to develop critical, global 21st century employability skills as defined by Tony Wagner, resident expert at Harvard University's Innovation Lab.



Session 2019 - 20

**Course Duration
30 Hours**

A blue handwritten signature, likely of the Registrar, is written over a blue rectangular stamp.

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Rajasthan, 301705



COURSE HANDOUT (ABRIDGED)

Session: 2019-2020

Sub Session: Semester II (Jan-Jun)

Course Name: Professional Life Skills I (TA 302)

L/T/P/C: 0/0/2/1

Course Description

Professional Life Skills I and II are courses intended to prepare students for placement. It is based on the feedback received by the industry in the previous years' recruitment cycle; with respect to the expectations from the various organisations during the interview process, and the gaps perceived in the students. It also aims to enable students to develop critical, global 21st century employability skills as defined by Tony Wagner, resident expert at Harvard University's Innovation Lab. The skills identified are:

- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Agility and Adaptability
- Values and Ethics
- Effective Oral and Written Communication
- Accessing and Analyzing Information
- Self - Presentation and Interview Handling
- Aptitude Test Handling

Course Outcomes

| S.No. | Description |
|-------|---|
| CO1 | Students will be able to think critically, apply technical engineering as well as analytical skills to solve problems |
| CO2 | Students will be able to communicate effectively in oral as well as written communication |
| CO3 | Students will develop critical employability skills required globally. |
| CO4 | The student will learn professionalism, including the ability to work in teams and apply basic ethical principles |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 2 | 3 |
| CO2 | - | - | - | - | - | 2 | 1 | 1 | 2 | 3 | 3 | 3 |
| CO3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 1 |
| CO4 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

List of Tentative Practical

NA

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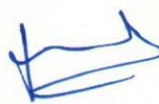
SESSION 2019 – 20

PROFESSIONAL LIFE SKILLS II (TA 401)

Professional Life Skills II are courses intended to prepare students for placement. It is based on the feedback received by the industry in the previous years recruitment cycle; with respect to the expectations from the various organizations during the interview process, and the gaps perceived in the students. It also aims to enable students to develop critical, global 21st century employability skills as defined by Tony Wagner, resident expert at Harvard University's

Innovation Lab. Registrar

NIIT UNIVERSITY NIIT UNIVERSITY



COURSE DURATION

30 HOURS

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COURSE HANDOUT (ABRIDGED)

Session: 2019-2020

Sub Session: Semester II (Jan-Jun)

Course Name: Professional Life Skills II (TA 401)

L/T/P/C: 0/0/4/1

Course Description

Professional Life Skills I and II are courses intended to prepare students for placement. It is based on the feedback received by the industry in the previous years' recruitment cycle; with respect to the expectations from the various organisations during the interview process, and the gaps perceived in the students. It also aims to enable students to develop critical, global 21st century employability skills as defined by Tony Wagner, resident expert at Harvard University's Innovation Lab. The skills identified are:

- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Agility and Adaptability
- Values and Ethics
- Effective Oral and Written Communication
- Accessing and Analyzing Information
- Self - Presentation and Interview Handling
- Aptitude Test Handling

Course Outcomes

| S.No. | Description |
|-------|--|
| CO1 | Professional Life Skills I and II are the courses intended to prepare students for placement. |
| CO2 | It is based on the feedback received by the industry in the previous years' recruitment cycle, with respect to the expectations from the various organizations during the interview process and the cognitive gaps perceived in the students |
| CO3 | It also aims to enable students to develop critical employability skills required globally. |
| CO4 | The student will learn professionalism, including the ability to work in teams and apply basic ethical principles |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 2 | 3 |
| CO2 | - | - | - | - | - | 2 | 1 | 1 | 2 | 3 | 3 | 3 |
| CO3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 1 |
| CO4 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

List of Tentative Practical

NA



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SESSION
2020 - 21

DURATION
60 HOURS

To enable the students to learn new skills or to upgrade the skills related to Photography or Digital Enhancement; to develop aesthetic sense; to enhance creative and imaginative thinking; to introduce them to the practices in Photography that are in vogue; to help them in acquiring the necessary skills to handle day-to-day responsibilities such as team spirit, poise and balanced mental set-up, controlled psycho-motor skills, etc.; to sensitize them to their potential to become the better photographers; and finally, to enjoy their life by participating in such recreational activities.



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NIIT UNIVERSITY

PHOTOGRAPHY

AOC 141

NIIT UNIVERSITY





COURSE HANDOUT (ABRIDGED)

Session: 2022-2023

Sub Session: Semester I (Jul-Dec)

Course Name: Photography (AOC 141)

L/T/P/C: 0/0/4/1

Course Description

To enable the students to learn new skills or to upgrade the skills related to Photography or Digital Enhancement; to develop aesthetic sense; to enhance creative and imaginative thinking; to introduce them to the practices in Photography that are in vogue; to help them in acquiring the necessary skills to handle day-to-day responsibilities such as team spirit, poise and balanced mental set-up, controlled psycho-motor skills, etc.; to sensitize them to their potential to become the better photographers; and finally, to enjoy their life by participating in such recreational activities.

Course Outcomes

| S.No. | Description |
|-------|---|
| CO1 | Photography is evolving at a rapid pace and the students are expected to learn new techniques while they are enrolled in the course. Some are rookies and they are expected to learn the basics of TELLING A STORY, thru the photo. |
| CO2 | Students have to learn how to MAKE a picture rather than just TAKE a picture. This involves learning – Framing. – Position. – Lighting. – Color. |
| CO3 | The Student to learn to become curious and record interesting things happening as a reporter would. |
| CO4 | Students have to bring out the study of nature and of society and of environment as it exists and as it should evolve as per human desires. |
| CO5 | Through Photography, the student is expected to push further into the realm of creativity, innovation and originality. This will have spillover effects in other areas of his life. |

Course outcome mapping with Programme Outcomes:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 1 |
| CO2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | - |
| CO3 | - | 2 | - | 2 | 2 | 3 | 2 | - | 3 | 3 | 2 | 3 |
| CO4 | 2 | 2 | 2 | 3 | 1 | 3 | 2 | 2 | - | 2 | 3 | 2 |
| CO5 | 1 | 1 | 1 | - | 3 | 3 | 2 | 1 | 1 | 1 | 3 | 2 |
| Max. | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 |

3 is High, 2 is Moderate, 1 is Low & - is Not Applicable

List of Tentative Practical

Not Applicable

Registrar
NIIT UNIVERSITY

Skill Development / Value added/ MOOCS/ OCW courses recommended in Academic Year 2018 – 2019

| S.No. | Name Of Courses | Duration | Brochure |
|-------|--|--|---|
| 1. | PG Certification AI & ML | More Than > 30 Hours (8 Months Course) | https://imarticus.org/certification-in-artificial-intelligence-and-machine-learning-by-e-ict-iit-guwahati-curriculum/ |
| 2. | Mathematics for Machine Learning and Data Science Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/mathematics-for-machine-and-data-learning-science |
| 3. | Design and analysis of algorithms | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs47/ |
| 4. | Object oriented analysis and design | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs48/ |
| 5. | Python for Data Science | More Than > 30 Hours (4 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs59/ |
| 6. | Data Science for Engineers | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs60/ |
| 7. | Web Technologies and Security Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/codio-web-tech-security |
| 8. | Modern Algebra | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs78/ |
| 9. | Cyber Security Live Project | More Than > 30 Hours (8 Week Course) | https://www.verzeo.com/certification-courses |
| 10. | Cloud Computing With AWS | More Than > 30 Hours (12 Weeks Course) | https://trainings.internshala.com/aws-course/ |
| 11. | Machine Learning Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/machine-learning-introduction |
| 12. | Basic Electric Circuits | More Than > 30 Hours (12 Weeks Course) | https://swayam.gov.in/nd1_noc19_ee36/ |
| 13. | PH124.4x: Data Science: Inference and Modelling | More Than > 30 Hours (1 Year Course) | https://www.edx.org/professional-certificate/harvardx-data-science |
| 14. | Web Development Bootcamp | 47 Hours | https://www.udemy.com/course/the-complete-web-development-bootcamp/ |
| 15. | Microsoft Power BI Data Analyst Professional Certificate | 5 months at 10 hours a week | https://www.coursera.org/professional-certificates/microsoft-power-bi-data-analyst |

Dean, Academic Affairs,
NIIT University
Neemrana (Raj.)

23 July 2018

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Skill Development / Value added/ MOOCS/ OCW courses recommended in Academic Year 2019 – 2020

| S.No. | Name Of Courses | Duration | Brochure |
|-------|---|--|---|
| 16. | PG Certification AI & ML | More Than > 30 Hours (8 Months Course) | https://imarticus.org/certification-in-artificial-intelligence-and-machine-learning-by-e-ict-lit-guwahati-curriculum/ |
| 17. | Mathematics for Machine Learning and Data Science Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/mathematics-for-machine-and-data-learning-science |
| 18. | Design and analysis of algorithms | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs47/ |
| 19. | Object oriented analysis and design | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs48/ |
| 20. | Python for Data Science | More Than > 30 Hours (4 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs59/ |
| 21. | Data Science for Engineers | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs60/ |
| 22. | Web Technologies and Security Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/codio-web-tech-security |
| 23. | Modern Algebra | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs78/ |
| 24. | Cyber Security Live Project | More Than > 30 Hours (8 Week Course) | https://www.verzeo.com/certification-courses |
| 25. | Cloud Computing With AWS | More Than > 30 Hours (12 Weeks Course) | https://trainings.internshala.com/aws-course/ |
| 26. | Machine Learning | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/machine-learning-introduction |
| 27. | Basic Electric Circuits | More Than > 30 Hours (12 Weeks Course) | https://swayam.gov.in/nd1_noc19_ee36/ |
| 28. | PH124.4x: Data Science: Inference and Modelling | More Than > 30 Hours (1 Year Course) | https://www.edx.org/professional-certificate/harvardx-data-science |
| 29. | Web Development Bootcamp | 47 Hours | https://www.udemy.com/course/the-complete-web-development-bootcamp/ |
| 30. | Additive Curriculum Certificate Initiation Level (TA 212 Workshop Technology) | 3 Months | WhatsApp image 2023-07-12 at 8.56.04 PM (1).jpeg |
| 31. | Microsoft Power BI Data Analyst Professional Certificate | 5 months at 10 hours a week | https://www.coursera.org/professional-certificates/microsoft-power-bi-data-analyst |

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Skill Development / Value added/ MOOCS/ OCW courses offered in Academic Year 2020 – 2021

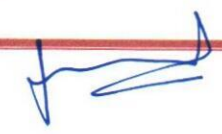
| S.No. | Name Of Courses | Duration | Brochure |
|-------|---|--|---|
| 1. | Basic Electric Circuits | More Than > 30 Hours (12 Weeks Course) | https://swayam.gov.in/nd1_noc19_ee36/ |
| 2. | Analog Electronic Circuit | More Than > 30 Hours (12 Weeks Course) | https://swayam.gov.in/nd1_noc19_ee38/ |
| 3. | Sensors and Actuators | More Than > 30 Hours (12 Weeks Course) | https://swayam.gov.in/nd1_noc19_ee41/ |
| 4. | PG Certification AI & ML | More Than > 30 Hours (8 Months Course) | https://cloudxlab.com/course/165/executive-pg-certificate-program-in-data-science-and-ai-by-eict-iit-roorkee |
| 5. | Cyber Security Live Project | More Than > 30 Hours (8 Week Course) | https://www.verzeo.com/certification-courses |
| 6. | Cloud Computing With AWS | More Than > 30 Hours (12 Weeks Course) | https://trainings.internshala.com/aws-course/ |
| 7. | Ethics in Engineering Practice | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc22_mg54/preview |
| 8. | Business Analytics & Text Mining Modelling Using Python | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc19_mg47/preview |
| 9. | Ethical Hacker | 40 Hours | https://www.eccouncil.org/wp-content/uploads/2023/01/CEH-brochure.pdf |
| 10. | Data Science | More Than > 30 Hours (8 Weeks Course) | https://teachnook.com/data-science |
| 11. | Design and analysis of algorithms | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs47/ |
| 12. | Object oriented analysis and design | More Than > 30 Hours (8 Weeks Course) | https://swayam.gov.in/nd1_noc19_cs48/ |
| 13. | Drug Development Product Management | More Than > 30 Hours (6 Weeks Course) | https://rb.gy/olfen |
| 14. | Operating Systems and You: Becoming a Power User | 33 Hours | https://rb.gy/oso1c |
| 15. | The Bits and Bytes of Computer Networking | More Than > 30 Hours (4 Weeks Course) | https://rb.gy/y0jfd |
| 16. | Disaster Management Informatics | More Than > 30 Hours (7 Weeks Course) | https://www.mooc.e-yantra.org/validate/1d1665716cbb686c9b65bc1b91ea872d45f1afa2 |
| 17. | Cybersecurity Essentials | 30 Hours | AdityaChoudhari-India Internship-certificate.pdf |
| 18. | AI Foundations for Everyone | More Than > 30 Hours (3 Months Course) | Gonuguntla Harichandan.jpg |
| 19. | IBM Applied AI | More Than > 30 Hours (3 Months Course) | Gonuguntla Harichandan IBM Applied AI.jpg |

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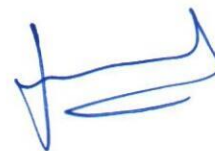
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|-----|---|--|---|
| 20. | Cloud Engineering Track | More Than > 30 Hours (30 Days Course) | Google Cloud Certificate.pdf |
| 21. | Introduction to Cybersecurity | 30 Hours | Introduction to Cybersecurity.pdf |
| 22. | HR Generalist | 2 Months | WhatsApp Image 2023-07-12 at 8.56.53 PM.jpeg |
| 23. | Marketing and Sales, Socratic Dialogue and Philosophy | More Than > 30 Hours (1 Month Course) | Gauri Bansal Internship.jpg |
| 24. | Social Media Marketing | More Than > 30 Hours (1 Month Course) | WhatsApp Image 2023-07-12 at 9.57.38 PM.jpeg |
| 25. | UI and UX Designer | More Than > 30 Hours (3 Months Course) | Internship Completion Certificate_jezal.pdf |
| 26. | Mastering Data Structures & Algorithms C & C++ | 58.5 Hours | udemy_cert - M Abhishek.jpg |
| 27. | Unsupervised Learning, Recommenders, Reinforcement Learning | 30 Hours | WhatsApp Image 2023-07-12 at 8.56.05 PM.jpeg |
| 28. | Investment and Financing for MSMEs | 30 Hours | Certificate Course for MSMEs Brochure.pdf |
| 29. | Ethics in Engineering Practice | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc22_mg54/preview |
| 30. | Virtual Hackathon | 48 Hours | WhatsApp Image 2023-07-12 at 10.28.33 PM (1).jpeg |



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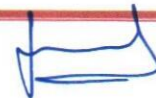
Skill Development / Value added/ MOOCS/ OCW courses offered in Academic Year 2021 – 2022

| S.No. | Name Of Courses | Duration | Brochure |
|-------|---|---|---|
| 1. | Data Analysis for Biologists | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc22_bt20/preview |
| 2. | Microsoft Power BI Data Analyst Professional Certificate | 5 months at 10 hours a week | https://www.coursera.org/professional-certificates/microsoft-power-bi-data-analyst |
| 3. | Web Technologies and Security Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/codio-web-tech-security |
| 4. | PG Certification AI & ML | More Than > 30 Hours (8 Months Course) | https://cloudxlab.com/course/165/executive-pg-certificate-program-in-data-science-and-ai-by-eict-iit-roorkee |
| 5. | Cyber Security Live Project | More Than > 30 Hours (8 Week Course) | https://www.verzeo.com/certification-courses |
| 6. | Cloud Computing With AWS | More Than > 30 Hours (12 Weeks Course) | https://trainings.internshala.com/aws-course/ |
| 7. | Mathematics for Machine Learning and Data Science Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/mathematics-for-machine-learning-and-data-science |
| 8. | Cybersecurity Essentials | 30 Hours | https://www.netacad.com/courses/cybersecurity/cybersecurity-essentials |
| 9. | Build a Modern Computer from First Principles: From Nand to Tetris (Project-Centred Course) | 43 Hours | https://rb.gy/6qqf4 |
| 10. | Programming Essentials in Python | 75 Hours (Part 1 + Part 2) | Learn To Code for IoT With Python Essentials Course Networking Academy (netacad.com) |
| 11. | Mastering Data Structures & Algorithms C & C++ | 58.5 Hours | https://www.udemy.com/course/datastructurescncpp/ |
| 12. | Ethics in Engineering Practice | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc22_mg54/preview |
| 13. | HR Generalist | 2 Months | WhatsApp Image 2023-07-12 at 8.56.53 PM.jpeg |
| 14. | Business Analytics & Text Mining Modelling Using Python | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc19_mg47/preview |
| 15. | Ethical Hacker | 40 Hours | https://www.eccouncil.org/wp-content/uploads/2023/01/CEH-brochure.pdf |
| 16. | Data Science | More Than > 30 Hours (8 Weeks Course) | https://teachnook.com/data-science |
| 17. | Foundations of User Experience (UX) Design | More Than > 30 Hours (12 Weeks Course) | Foundations of UI UX Design Google Course .pdf |
| 18. | Python and Deep Learning Bootcamp | 32.42 Hours | DEEP LEARNING Certificate - Riyaz Ghori.pdf |

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|-----|---|---|---|
| 19. | Cyber security | 30 Hours | Learn To Protect Networks with Cybersecurity Essentials Networking Academy (netacad.com) |
| 20. | Graduate Rotational Internship Program | More Than > 30 Hours (1 Month Course) | Gaytri Sran.jpg |
| 21. | Computer Aided Drug Designing and Molecular Dynamics Simulations (CAMSD - 2022) | More Than > 30 Hours (7 Days Course) | Mehakk Lunkar.jpg |
| 22. | Business Program Internship | More Than > 30 Hours (1 Month Course) | Metvy Business Program.pdf |
| 23. | Supervised Machine Learning, Regression and Classification | 33 Hours | WhatsApp Image 2023-07-12 at 8.56.07 PM.jpeg |
| 24. | Advanced Learning Algorithms | 34 Hours | WhatsApp Image 2023-07-12 at 8.56.53 PM (2).jpeg |
| 25. | Virtual Hackathon | 48 Hours | WhatsApp Image 2023-07-12 at 10.28.33 PM (1).jpeg |
| 26. | Spatial Data Science: The New Frontier in Analytics | More Than > 30 Hours (6 Weeks Course) | Sudipta Kundu_esri.jpg |
| 27. | Business Development (Sales) | More Than > 30 Hours (4 Months Course) | Tavi Gupta.jpg |
| 28. | Cloud Engineering Track | More Than > 30 Hours (30 Days Course) | Google Cloud Certificate.pdf |
| 29. | Business Analytics & Text Mining Modelling Using Python | More Than > 30 Hours (8 Weeks Course) | https://onlinecourses.nptel.ac.in/noc19_mg47/preview |
| 30. | The Fundamentals of Digital Marketing | 40 Hours | WhatsApp Image 2023-07-12 at 8.56.03 PM (1).jpeg |
| 31. | Advance Learning Algorithms | 34 Hours | WhatsApp Image 2023-07-12 at 8.56.06 PM (2).jpeg |
| 32. | English for Job Training to NIIT Foundation students | More Than > 30 Hours (8 Weeks Course) | IMG-20230706-WA0003.jpg |
| 33. | Build a Modern Computer from First Principles: | 43 Hours | Prachi Bharti - Certificate Of Completion.pdf |
| 34. | Mastering Data Structures & Algorithms C & C++ | 58.5 Hours | udemy_cert - M Abhishek.jpg |
| 35. | Unsupervised Learning, Recommenders, Reinforcement Learning | 30 Hours | WhatsApp Image 2023-07-12 at 8.56.05 PM.jpeg |
| 36. | Machine Learning Specialization | More Than > 30 Hours (12 Weeks Course) | https://www.coursera.org/specializations/machine-learning-introduction |
| 37. | Operating Systems and You: Becoming a Power User | 33 Hours | https://rb.gy/oso1c |
| 38. | Drug Development Product Management | More Than > 30 Hours (6 Weeks Course) | https://rb.gy/olfen |
| 39. | Raspberry Pi and Internet of Things | 34 Hours | WhatsApp Image 2023-07-12 at 8.56.53 PM (2).jpeg |
| 40. | The Fundamentals of Digital Marketing | 40 Hours | WhatsApp Image 2023-07-12 at 8.56.03 PM (1).jpeg |

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