

**МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ  
РОССИЙСКОЙ ФЕДЕРАЦИИ**

федеральное государственное автономное образовательное  
учреждение высшего образования

**НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ  
ТОМСКИЙ ПОЛИТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ**

Инженерная школа информационных технологий и робототехники  
Отделение информационных технологий  
Направление 09.03.01. Информатика и вычислительная техника

Отчет по дисциплине «Цифровая обработка сигнала»

Digital Signal Processing 1: Basic Concepts and Algorithms

Выполнил:

Студент группы 8В92

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П. Д. Дела

Проверил:

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А. А. Хамухин

# Результаты теста на Coursera «Digital Signal Processing 1: Basic Concepts and Algorithms»

The screenshot shows the Coursera interface for the course "Digital Signal Processing 1: Basic Concepts and Algorithms". The user is logged in as Priska Dela. The page is for "Homework for Module 1.1" in Week 1. The main heading is "Homework for Module 1.1" with a duration of "Quiz • 1h 45m". The status is "Submit your assignment" with a green checkmark. The due date is "Mar 19, 11:59 PM WIB" and there are "3" attempts every 8 hours. A "Try again" button is visible. The "Receive grade" section shows a score of "85.71%" and a "View Feedback" button. The "To Pass" requirement is "80% or higher". The left sidebar lists lessons and assignments, with the current quiz highlighted.

coursera | EPFL | Search in course | Search | Priska Dela

Digital Signal Processing 1: Basi... > Week 1 > Homework for Module 1.1 < Previous Next >

Welcome to DSP One!

Lesson 1.1.1: What is signal processing?

Lesson 1.1.2: Discrete-time signals

Lesson 1.1.3: Basic signal processing

Lesson 1.1.4: Complex exponentials

Module 1.1: Assignments

- Reading: Practice homework 1h
- Quiz: Homework for Module 1.1 12 questions

Notes and Supplementary Materials

## Homework for Module 1.1

Quiz • 1h 45m

Submit your assignment [Try again](#)

Due Mar 19, 11:59 PM WIB Attempts 3 every 8 hours

Receive grade

Your grade **85.71%** [View Feedback](#)

To Pass 80% or higher We keep your highest score

Like Dislike Report an issue

Рисунок 1 – Результат теста 1

The screenshot shows the Coursera interface for the course "Digital Signal Processing 1: Basic Concepts and Algorithms". The user is logged in as Priska Dela. The page is for "Homework for Module 1.2" in Week 2. The main heading is "Homework for Module 1.2" with a duration of "Quiz • 1h 30m". The status is "Submit your assignment" with a green checkmark. The due date is "Mar 26, 11:59 PM WIB" and there are "3" attempts every 8 hours. A "Try again" button is visible. The "Receive grade" section shows a score of "83.33%" and a "View Feedback" button. The "To Pass" requirement is "80% or higher". The left sidebar lists lessons and assignments, with the current quiz highlighted.

coursera | EPFL | Search in course | Search | Priska Dela

Digital Signal Processing 1: Basi... > Week 2 > Homework for Module 1.2 < Previous Next >

Lesson 1.2.1: Signal processing and vector spaces

Lesson 1.2.2: Vector spaces

Lesson 1.2.3: Bases

Lesson 1.2.4: Subspaces and approximations

Module 1.2: Assignments

- Reading: Practice homework 1h
- Quiz: Homework for Module 1.2 6 questions

Notes and Supplementary Materials

Python Notebooks

## Homework for Module 1.2

Quiz • 1h 30m

Submit your assignment [Try again](#)

Due Mar 26, 11:59 PM WIB Attempts 3 every 8 hours

Receive grade

Your grade **83.33%** [View Feedback](#)

To Pass 80% or higher We keep your highest score

Like Dislike Report an issue

Рисунок 2 – Результат теста 2

The screenshot shows the Coursera interface for a homework assignment titled "Homework for Module 1.3". The page is for a quiz worth 2 hours. The user's score is 86.66%, and they have 3 attempts remaining. The assignment is due on April 2, 11:59 PM WIB. The interface includes a sidebar with a list of lessons and assignments, a main content area with submission and grading options, and a footer with social media and reporting links.

Lesson 1.3.1: Fourier Analysis  
Lesson 1.3.2: The Discrete Fourier Transform  
Lesson 1.3.3: The DFT in Practice  
Lesson 1.3.4: The Short-Time Fourier Transform  
Module 1.3: Assignments  
✓ Reading: Practice homework 1h  
✓ Quiz: Homework for Module 1.3 9 questions  
Notes and supplementary material  
Python Notebooks

## Homework for Module 1.3

Quiz • 2h

✓ **Submit your assignment** [Try again](#)

Due Apr 2, 11:59 PM WIB Attempts 3 every 8 hours

✓ **Receive grade**

To Pass 80% or higher

Your grade **86.66%** [View Feedback](#)  
We keep your highest score

[Like](#) [Dislike](#) [Report an issue](#)

Рисунок 3 – Результат теста 3

The screenshot shows the Coursera interface for a homework assignment titled "Homework for Module 1.4". The page is for a quiz worth 2 hours. The user's score is 80.55%, and they have 3 attempts remaining. The assignment is due on April 9, 11:59 PM WIB. The interface includes a sidebar with a list of lessons and assignments, a main content area with submission and grading options, and a footer with social media and reporting links.

Lesson 1.4.1: Discrete Fourier Series  
Lesson 1.4.2: The Discrete-Time Fourier Transform  
Lesson 1.4.3: Sinusoidal Modulation  
Lesson 1.4.4\*: Relationships between transforms  
Lesson 1.4.5: The fast Fourier transform  
Module 1.4: Assignments  
✓ Reading: Practice homework 1h  
✓ Quiz: Homework for Module 1.4 12 questions

## Homework for Module 1.4

Quiz • 2h

✓ **Submit your assignment** [Try again](#)

Due Apr 9, 11:59 PM WIB Attempts 3 every 8 hours

✓ **Receive grade**

To Pass 80% or higher

Your grade **80.55%** [View Feedback](#)  
We keep your highest score

[Like](#) [Dislike](#) [Report an issue](#)

Рисунок 4 – Результат теста 4

The screenshot shows the Coursera interface for an EPFL course. The left sidebar contains navigation options: Course Material (Weeks 1-4), Grades, Notes, Discussion Forums, Messages, Resources, and Course Info. The main content area is titled 'Grades' and displays two messages: 'You have completed all of the assessments that are currently due.' and 'You passed this course! Your grade is 84.06%.' Below these messages is a table of assessment results.

Item	Status	Due	Weight	Grade
✓ Homework for Module 1.1 Quiz	Passed	Mar 19 11:59 PM WIB	25%	85.71%
✓ Homework for Module 1.2 Quiz	Passed	Mar 26 11:59 PM WIB	25%	83.33%
✓ Homework for Module 1.3 Quiz	Passed	Apr 2 11:59 PM WIB	25%	86.66%
✓ Homework for Module 1.4 Quiz	Passed	Apr 9 11:59 PM WIB	25%	80.55%

Рисунок 5 – Результаты теста 1, 2, 3 и 4

Ссылка на сертификат:

<https://coursera.org/share/625dcfc65886228dd3258e3a61625c25>

# EPFL

Mar 16, 2023

## PRISKA DANTA DELA

has successfully completed

### Digital Signal Processing 1: Basic Concepts and Algorithms

an online non-credit course authorized by École Polytechnique Fédérale de Lausanne and offered through Coursera

COURSE  
CERTIFICATE



Paolo Prandoni, lecturer  
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Switzerland

Verify at:  
<https://coursera.org/verify/9A5877W47EPC>  
Coursera has confirmed the identity of this individual and their participation in the course.

Рисунок 6 – Сертификат