

MINISTRY OF EDUCATION OF THE REPUBLIC OF BELARUS  
Belarusian National Technical University

---

English language Department № 1

I. N. Bankovskaya  
I. V. Pinchuk  
G. A. Dzhumaeva

PROFESSIONAL COMMUNICATION.  
PRACTICAL COURSE

Approved by the Educational and Methodical Association  
of education institution in the field of instrumentation  
as manual for students of specialty  
6-05-0716-06 “Biomedical engineering”

Minsk  
BNTU  
2023

## Contents

|   |    |
|---|----|
| Unit 1. Diagnostic medical equipment .....            | 4  |
| Unit 2. X-ray imaging.....                            | 14 |
| Unit 3. Doppler fetal monitor .....                   | 24 |
| Unit 4. Biotechnology.....                            | 33 |
| Unit 5. A magnetic resonance imaging (MRI) scan ..... | 45 |
| Unit 6. Medical lasers.....                           | 54 |
| Unit 7. Pacemakers.....                               | 66 |
| Unit 8. Echocardiogram.....                           | 75 |
| Supplementary Texts for Reading and Translating ..... | 84 |
| Transcripts .....                                     | 91 |
| Literature .....                                      | 96 |