

COORDINATING AND SUPPORTING ROLE OF THE CENTER FOR THE DEAF WITHIN THE UNIVERSITY

BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY

DEPARTMENTS:

**RADIO-ELECTRONICS
AND LASER TECHNOLOGY**

**INFORMATICS AND
CONTROL SYSTEMS**

**ROBOTICS
AND INTEGRATED
AUTOMATION**

**ENGINEERING BUSINESS
AND MANAGEMENT**

**MANUFACTURING
ENGINEERING**

**FUNDAMENTAL
SCIENCES**

**BIOMEDICAL
ENGINEERING**

CENTER FOR THE DEAF

PROVIDES:

Services:

- SUPERVISING
- SIGN LANGUAGE INTERPRETING
- AUDIOLOGICAL MONITORING & PROSTHESIS
- SPEECH THERAPY
- TUTORING
- COUNCELING
- NOTETAKING
- PSYCHOLOGICAL MONITORING
- CONSULTING
- ADVISING
- TECHNICAL DEVICES SUPPORTING



MULTIMEDIA LAB



SELF - INSTRUCTION LAB



Curricula

SPECIAL

STANDARD

SPECIAL REHABILITATION
AND EDUCATION COURSES



AUDIOLOGICAL
MONITORING ROOM



SPEECH CORRECTION
ROOM

Preliminary
courses

ACHIEVEMENTS OF PEN-RUSSIA LAB IN 2003

The lab was founded in co-operation with NTID (USA) granted by Nippon Foundation within the frame of Postsecondary Education Network International Project

Laboratory Staff - 3 people

Tasks.

Development, management and support of education and rehabilitation process based on new technologies

Development and implementation of network technologies

Development and implementation of distance learning technologies

Development and implementation of special software and multimedia products

Development of methodic materials

Development of learning courses, curricula and teaching methodic

Personnel training and development of teachers' skills

Co-operation with partner organizations (Russian and foreign)

Using the Lab as education and production complex

Investigation and assessment of outcomes

Outcomes.

Formal and informal Course Use

35 hours of formal lessons per week according to student curriculum.

7 hours per week were assigned for consulting teachers (to teach them to use technologies)

12 hours per week were assigned for self-instruction for students.

Other activities

Common network with the Center was created

Essentials of distance learning system were created

2 educational movies were produced

1 electronic tutorial was developed

Web mastering course was developed

7 labworks were developed

Methodic materials on using technologies for the deaf were developed

9 Workshops were held at PEN Lab:

2 - for partner universities

2 - for audiological specialists;

2 - for special school teachers;

2 - for students, specialized in deaf-and-dumb pedagogy;

1 - developed in collaboration with NTID, for the university faculty

5 school leavers were prepared within *Step into the Future* program for young researchers

3 conferences were held

bachelors' diploma defense was held

over 50 presentations of the lab for different institutions were held

And numerous other activities



TEACHER'S WORKSTATION



ASSISTANT'S WORKSTATION



STUDENT'S VIEW



DEVELOPER'S WORKSTATION



PRACTICAL CLASS



PRESENTATION



WORKSHOP

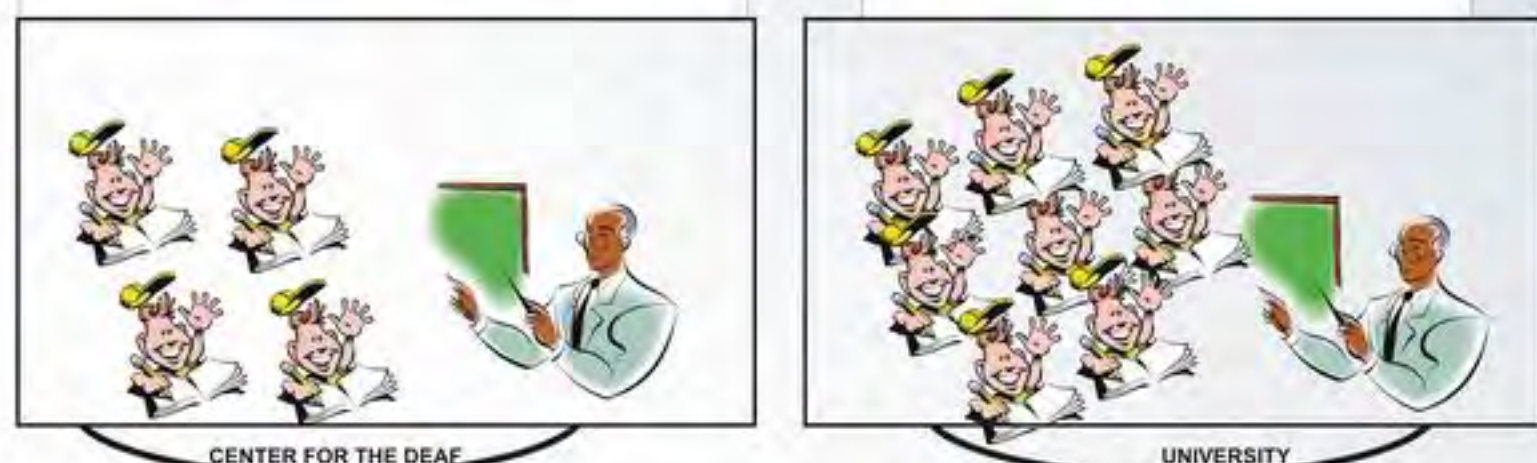
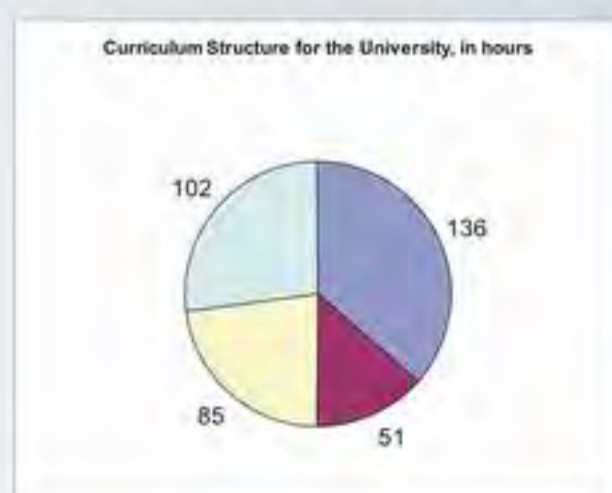
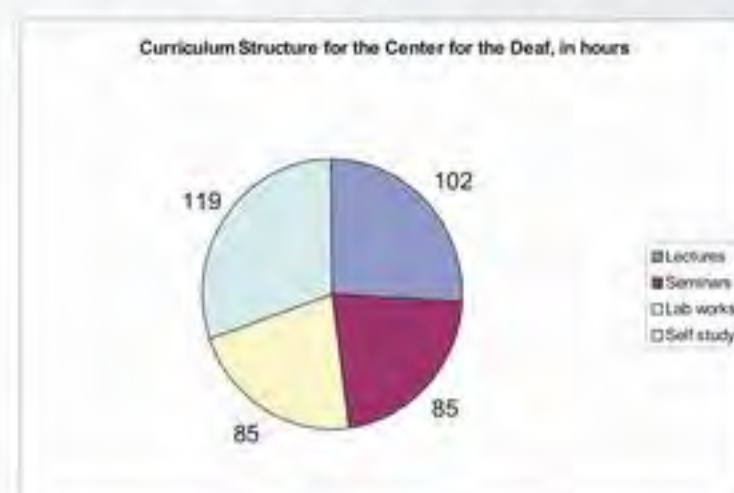
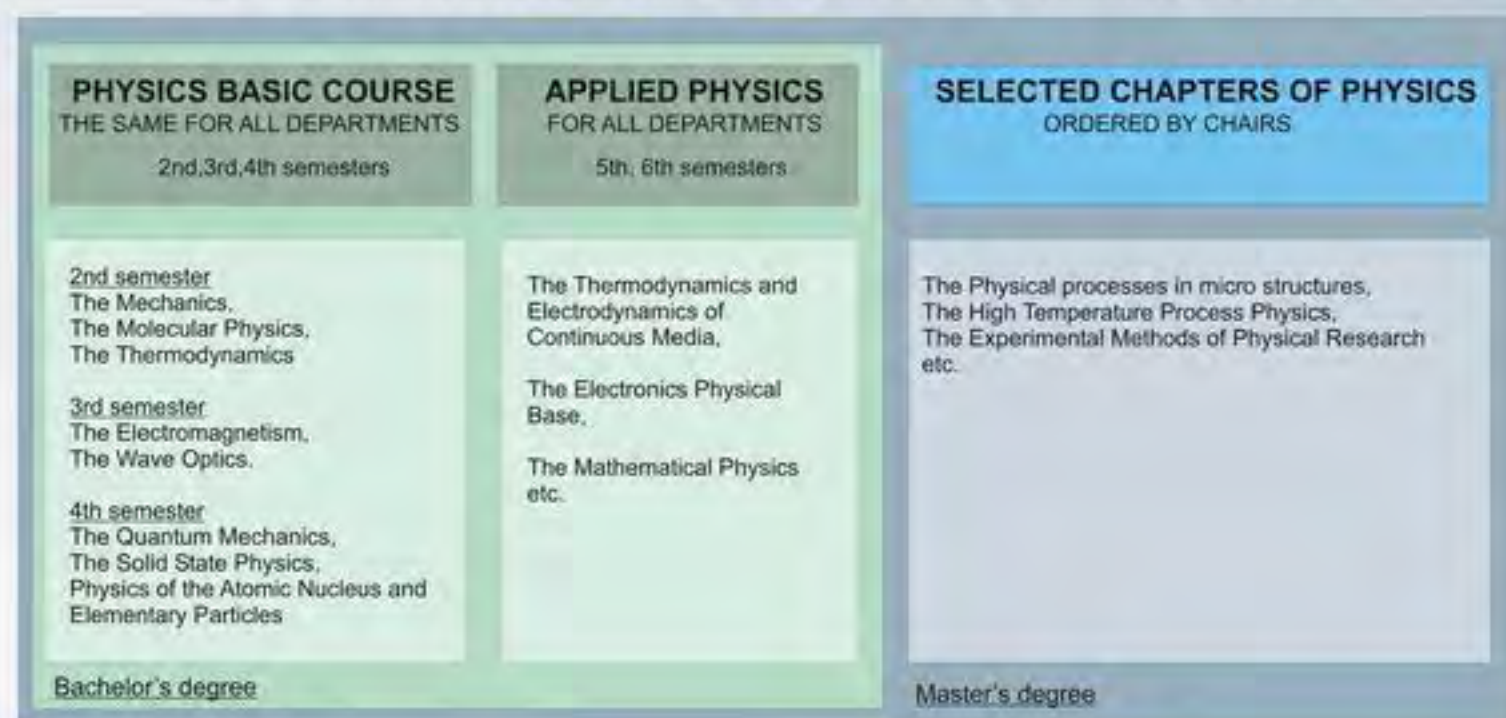


CONFERENCE



PHYSICS FOR THE DEAF AT BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY

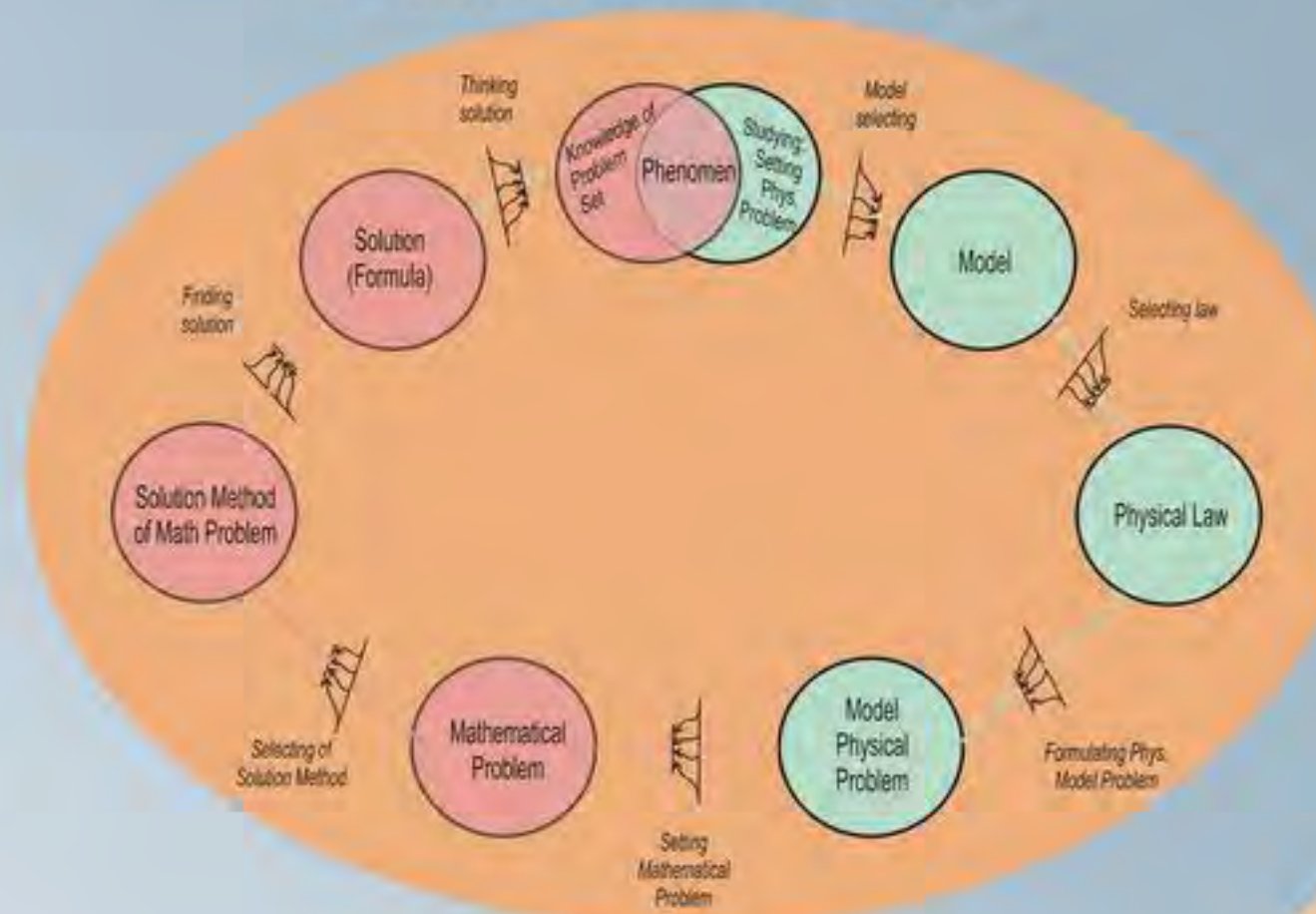
EDUCATION STRUCTURE ON PHYSICS AT UNIVERSITY



CENTER FOR THE DEAF

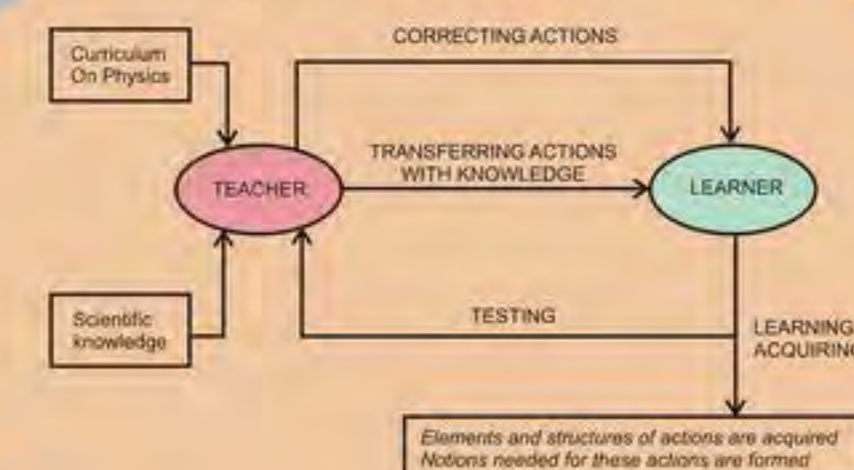
UNIVERSITY

STANDARD SCHEME OF HEARING PEER'S ACTIONS WHILE CONSIDERING PHYSICAL PROBLEM



An efficiency of training depends on the learner involving power into actions; knowledge is formed because of some processes in learner's psychic, so knowledge is setting up in their brain because of learner's just own activity;

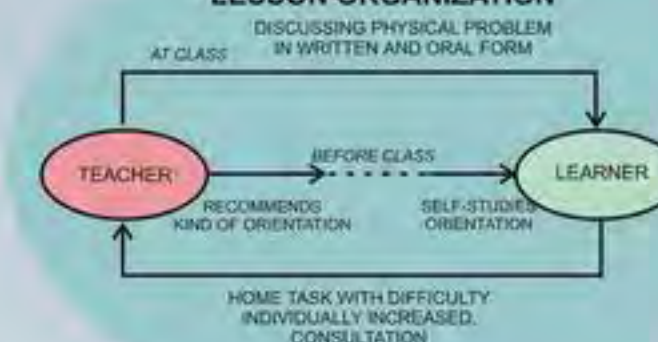
TRAINING TO DO ACTIONS



TYPICAL SCHEME OF DEAF'S ACTIONS WHILE CONSIDERING PHYSICAL PROBLEM



SOME FEATURES OF LESSON ORGANIZATION



The Deaf keep in their memory a large number of mathematical formulae, but they haven't been instructed:

- how to extract a physical content from formulae,
- how to find physical laws for phenomena descriptions

SUPPORT SYSTEMS



BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY CENTER FOR THE DEAF

Development of Network Educational System for the Deaf
on basis of the PEN-International experience



RUSSIA



In Russia about 12% of population are hearing impaired
Over 600 000 children are hearing impaired
There are 177 special schools for hearing impaired
(90 - for the deaf, 87 - for the hard-of-hearing)
20 200 hearing impaired children study there
About 20 000 hearing impaired children study in common schools

- Federal Head Education and Methodic Center for the Deaf (Bauman University, Moscow)
- Centers of Higher Education, in which the deaf are studying (3 Universities)
- Schools and colleges for the deaf (189 Schools)

Bauman University is an Education Methodic Association (EMA) that provides standards for higher professional education for the deaf in Russia. EMA coordinates, controls and develops contents of all education and rehabilitation programs for all universities educating deaf students.