

Faculty of Health Studies
J.E.Purkyně University
in Ústí nad Labem

Study fields (Bc.)

General nurse

Midwife

Physiotherapy

Occupational Therapy

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Research

- **Strategy of FZS UJEP Ústí nad Labem for research, development and innovation for period 2013 – 2016**
- **Internal grant schemes**
- **Students' involvement (science assistants, bachelor theses topics)**
- **Grants, projects (external provider)**

- **Conference „New trends in medical science III“, 14th October 2015**
- **Monograph, scientific articles, conference attendance...**

Laboratory for the study of motion

Facility equipment of the laboratory:

- opto-electronic camera system
Qualisys for a 3D-analysis of motion

- **16-channel
electromyo-
graphic device
ME6000 for
scanning and
analysis of
muscle activity
(surface EMG)**

Two-metre tenzometric panel Footscan for scanning and analysis of foot pressure into the pad

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Two manometric panels Kistler for measuring of reaction forces of the mat and balance measuring

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Laboratory for the study of chronic diseases

Focus:

- prevention
- motivation to change
- education
- focus on high-risk groups of inhabitants
- research in the Ústí region

Facility equipment

- cycle ergometer
- Scale with bioelectric impedance
- altimeter
- manometers
- spirometer
- EKG
- BODY- JETT
- pressure Holter
- EKG Holter
- oxymeter
- glucometer
- cholesterolmeter
- cholesterolmetre with measuring of the complete lipid spectrum



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Research areas:

- **Detection of cardiovascular risks**
- Nutrition
- **Physical activity**
- Dangerous behaviour and its health impact
- Pulmonary ventilation of selected groups of population
- Health condition
- ...

Proposal of interventions – possibility of an overall examination with focus on:

- Determination of cardiovascular risks and life style errors**
- Professional assistance with diet adjustment, setting of physical regime and activities**

FZS - conclusion

- **Possible ways of cooperation – bachelor theses topic assignment, collective projects, orders from practice**
- **The focus must reflect major educational aim of FZS stipulated by accredited fields**