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| Specialized subjects | Class style: Seminar (Exercise) | 4 Credits (2 Credits \* 2 Semester) |
| Course title | Seminar in Physiology |
| Theme | Autonomic and endocrine regulation of the body |
| Semester | 2 semesters, Tuesday (9:00-10:30) |
| Location | Research laboratory seminar room |
| Course director | Tomoyuki Kuwaki, Hideki Kashiwadani, Ikue Kusumoto, Akira Yamashita |
| GIO | Learn about molecular mechanisms of homeostasis and homeodynamics |
| SBO | 1. Explain the molecular mechanisms of homeostasis and homeodynamics.2. Explain the related diseases.3. Explain the methods to study homeostasis and homeodynamics. |
| Coursedescriptions | Through the reading of scientific papers and discussion on the data presented by the members of faculty, students learn the mechanism of homeostasis and homeodynamics, methods of research, and how to analyze and interpret the data. |
| Course materials | Scientific paper |
| Evaluation scheme | The attitude of participation and the content of discussion (100%) |
| Office hour | Tuesday (13:00-17:00) |
| e-mail address | kuwaki@m3.kufm.kagoshima-u.ac.jp |
| After class | Anytime in the office hour |
| remarks |  |

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| Specialized subjects | Class style: Research | 12 Credits (2 Credits \* 6 Semester) |
| Course title | Experimental Physiology |
| Theme | Neuronal regulation of the body |
| Semester | 4-6 semesters |
| Location | Research laboratory |
| Course director | Tomoyuki Kuwaki, Hideki Kashiwadani, Ikue Kusumoto, Akira Yamashita |
| GIO | To write scientific paper and/or prepare a thesis |
| SBO | 1. Plan and practice the study about neuronal regulation of the body.2. Solve the problems during the study.3. Analyze the data and interpret physiological meaning of them.4. Prepare for aural presentation and write scientific paper. |
| major research fields | Neuroscience of stress, relax, and the autonomic nervous system.Neuroscience of aromatherapyNeuroscience of taste and appetiteNeuroscience of stress and emotion |
| Course materials | Will be provided according to the individual theme |
| Evaluation scheme | Scientific paper and/or the thesis prepared (100%) |
| Office hour | Tuesday (13:00-17:00) |
| e-mail address | kuwaki@m3.kufm.kagoshima-u.ac.jp |
| After class | Anytime in the office hour |
| remarks |  |