

Iowa/Great Plains/Kansas City BMW CCA
Longest Day Driving School
July (28),29-31, 2016
Instructors' Supplement

Note: Thursday – Gates open at 9am, track hot 11-6
Friday - Gates open at 8am, track hot 915-6

Thank you for your commitment to instruct at our Longest Day Driving School on July 29-31, 2016 at Raceway Park of the Midlands. Additional details and a student package are enclosed. There is a mandatory instructors meeting on both Saturday and Sunday.

Thursday, July 28: There will be a drivers meeting on Thursday at 10:30 AM for those participating on Thursday. Track time will be 11:00-6:00 on Thursday. Please note, an Instructor Training School is taking place at this year's school, and there may be changes or modifications to the schedule based upon the needs of that event.

Friday, July 29: There will also be a drivers meeting on Friday at 9:00 AM for those who wish to run on Friday. Track time will be **9:15-6:00 on Friday**, and as scheduled on Saturday and Sunday. Friday is for instructors, Advanced 3-Day Students, and workers **only**.

Student rides on Friday (other than Advanced 3-Day Students and event volunteers) will be allowed only in the final session after the last worker break (approximately 5:15). This day is for track familiarization, and advanced-student and instructor training/development, so demonstration rides for students are to be minimized. We encourage instructors to ride with each other on Friday for mutual improvement. Advanced students are not allowed to have any passengers other than instructors.

Passing Rules: Again this year, there will be expanded passing rules for all advanced students and instructors for all 4 days. **Instructors and Advanced Students may pass on either side at any point on the track, including in corners, but only after receiving a point-by.**

Special Passing Exercises (Sat. and Sun.): Group 1 and Group 2 students will have special passing exercises at certain times on Saturday and/or Sunday, weather permitting. These will be dedicated times within specified sessions to have off-line passing practice. See the **separate document titled Special Passing Exercises**. Also, read the Participant Packet carefully about the **Passing Rules** that generally apply for each group. This is a new facet of the instruction, and we welcome feedback about how it is working. Changes to the passing rules may occur during the event as we see how participants are handling the new rules.

EVERY INSTRUCTOR MUST HAVE AN IN-CAR COMMUNICATOR FOR EASE OF INSTRUCTION. THIS IS A REQUIREMENT. We have a few available for purchase if needed.

Student Evaluation Form: Forms will be in your packet for each of your students. Refer to it as you work with your students to be sure all points are covered in your instruction. These are the areas of driving skill we most want these students to learn, and therefore want you to stress in your teaching. We recommend that at the end of your students' last track session that you discuss with them their progress (or lack thereof) during the school.

We are using the Driving Evals system for this event. This system uses online data entry from both instructors and students about their observations and recommendations. The forms in your packet correspond to the online entries that you will need to do. You can submit your evaluations either at the event or within a few days afterward. PLEASE submit your evaluations promptly. (The system will keep spamming your email inbox if you don't!)

Solo Signoffs: Novice students are **not** to be released for solo track time. We **do not** encourage you to release Intermediate or Advanced students, other than for a few selected sessions to build self-reliance and decision-making. Instructors are expected to ride with their students on the last session of each day. (Please note, this requires you to be present all day, each day). If you want to release an Intermediate or Advanced student for some solo track time: (1) obtain a windshield sticker from the Chief Instructor or Gridmaster (after getting the Chief Instructor's approval); (2) sign the sticker; and (3) affix the sticker to the student's windshield in the upper left corner.

Important points:

- Treat the student's car with respect.
- Be prepared to teach from the In-Car Instruction handout.
- **Remember** - nothing that even resembles racing will be tolerated. This applies to student and instructor time on the track.
- Keep a safe distance from the car in front of you except to pass.
- If you or your student has four wheels off the track, you must come into the pit area to be checked.

If for some reason you are unable to instruct on either July 30th or 31st, please contact Chief Instructor Scott Smed as soon as possible so the necessary schedule changes can be made.

Thank you for your help!!!

This is not a timed/speed/competition event

Event Committee Members

Manoj Tomar	Event Master	515-269-9681	manoj.tomar@gmail.org
Greg Lippert	Chief Registrar	913-481-7945	LDDSregistrar@bmwia.org
Scott Smed	Chief Instructor	641-430-8454	chief-instructor@bmwia.org

****SEE THE PARTICIPANT PACKET FOR OTHER EVENT INFORMATION****

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IN-CAR INSTRUCTION HANDOUT

First Session

DEMONSTRATE TO STUDENTS

Instructor driving student's car - (**ONLY FIRST 2 LAPS/Only Novice Groups**)

- o Correct seating, belts tight, wheel held at 3 & 9 o'clock, use of mirrors, warm up tires, brakes & engine.
- o Point out to students:
 - Starter (Corner #14 worker) controls entrance to track
 - Corner stations
 - Passing zones, passing signal, passing technique (the car being passed slows down AFTER faster car moves out to side of slower car)
 - Pitting signal
- o Smooth acceleration, threshold braking, shuffle steering, downshifting and up shifting.
- o Student Driving
- o Have student drive cone-to-cone-to-cone and concentrate on smooth, base instruction and critique on A, B, & C. above. Do NOT emphasize speed; emphasize safety, example 2 wheels off.

At end of session, DON'T set handbrake!

Second/Future Session(s)

- o Friction circle - Have fixed amount of grip available through the tires. You have to choose your mix of acceleration/turning grip or braking/turning grip to suit your needs. You must slow down for the turns.
- o Oversteer/understeer - Can use tire pressures to adjust car balance. Examine tire wear with student at end of this session if possible.
- o Skid control - Catch slight oversteer by steering into the skid (the only technique of value from driver's ed). Total loss of control requires both feet in (brake & clutch).
- o Threshold braking/brake points - On the street you brake gently wherever you want. On the track when you brake is determined by how well you brake.
- o The rain line - if raining, demonstrate - if dry, discuss only.

Third Session (for experienced)

- o Heel & toe downshift - Okay to practice on the track. Instructor, watch out for overtaking cars while explaining the exercise.
- o Trail braking - Quicker turn in on small radius turns. Do not try to teach to the novice driver.
- o Early apex/late apex - When to use each.

The cones may be removed for Sunday. Adjust corners for the student and their car. Insist on threshold braking. Watch student's eyes. Get them up to anticipate next turn. Discuss linking 2 then 3 turns together (get student to feel the rhythm). Discuss accident avoidance & loss of control at track.

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Instructor's Evaluation of Student

www.drivingevals.com

- Use these forms to take notes at the track.
- **Don't** turn them in. Keep them.
- Submit them on-line at www.drivingevals.com

BMW Car Club
of America
Iowa Chapter



Your student _____

Student run group _____

Student Attitude	Good					Exc
	1	2	3	4	5	
Accepts instruction and wants to learn						
Has concentration for perf. driving						
Relaxes while driving						
Prepared car well for track driving						
Comfortable riding with student?						

Track Awareness	Good					Exc
	1	2	3	4	5	
Proper pit in and pit out procedures						
Use of mirrors						
Gives and takes good point-bys						
Aware of flaggers and road conditions						
Drives within limits of car and self						

Skills	Novice			Lo Int			Hi Int			Adv			In
	1	2	3	4	5	6	7	8	9	10	11	12	13
Looks ahead / widescreen vision													
Situational awareness													
Knows line													
Understands early and late apex													
Brakes at proper time & intensity													
Uses all of the track													
Understands/uses throttle steering													
Balances car through the corner													
Makes smooth up & down shifts													
Makes smooth pedal inputs													
Makes smooth steering inputs													
Consistent lap-to-lap													
Speed													
Adv: Smooth heel-and-toe													
Adv: Proper off-line driving													
Adv: Trail braking													
Adv: Uses good slip angles													
Student's overall performance													

Summary	Yes
Signed off to solo	
Instructor candidate	
Recommend as peer mentor	
Run group today	
Run group future. At a future event with 4 student run groups, what would be ideal for this student?	

Car. Comments and recommendations

Logbook. Suggestions to help this student advance in high-performance driving

Confidential Logbook. Shared only with other instructors and event organizers

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